

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: JAGDISH PATEL Examiner #: 74616 Date: 10-6-03
 Art Unit: 3624 Phone Number 308-7837 Serial Number: 091643,073
 Mail Box and Bldg/Room Location: 7A27 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: LOAD BALANCING AMONG DATA COMMUNICATION
PORTS .. SECURITY TRADING SYSTEM

Inventors (please provide full names): Amanat

Earliest Priority Filing Date: Bundt, IN 8/21/00

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

This application deals with measurement of "latency" (i.e. how efficient, responsive) of the networks of various security markets.

please see claim 1 and abstract.

Note: latency is measured as time between a message (such as a security market order) is sent and a response is received for that message.

Please contact this examiner for any further discussion. Thanks.

STAFF USE ONLY

Searcher: Boyle HKM/OLA

Searcher Phone #: 308-6150

Searcher Location: 710 3620

Date Searcher Picked Up: 10-6-03

Date Completed: 10-7-03

Searcher Prep & Review Time: 12.0...

Clerical Prep Time: 12.0...

Online Time: 12.0...

Type of Search

NA Sequence (#) 811

AA Sequence (#) 8415

Structure (#) Questel/Orbit

Bibliographic Dr.Link

Litigation Lexis/Nexis

Fulltext Sequence Systems

Patent Family WWW/Internet

Other Other (specify)

Vendors and cost where applicable

STN 811

Dialog 8415

Questel/Orbit

Dr.Link

Lexis/Nexis

Sequence Systems

WWW/Internet

Other (specify)

Best Available Copy

CLAIMS

What is claimed is:

1 1. A method of displaying latency, the method implemented in a broker-dealer
2 computer system, the system being engaged in automated processing of orders for
3 securities including sending messages to markets and receiving from markets responses
4 to messages, the method comprising the steps of:
5 recording for messages sent to markets the time when each message is sent and the
6 identity of the market to which each message is sent, the messages comprising orders
7 and cancellations of orders;
8 recording for responses received from markets the time when each response is received,
9 wherein each response corresponds to a particular message;
10 calculating for at least one market a latency dependent upon at least one recorded time
11 when at least one message is sent to the market and at least one recorded time when a
12 corresponding response is received from the market;
13 displaying the identity of the market and the latency for the market.

1 2. The method of claim 1 wherein the latency for a market further comprises latency for
2 a port.

1 3. The method of claim 1 wherein the latency comprises an instant latency calculated
2 dependent upon one recorded time when one message is sent to a market and one
3 recorded time when a corresponding response is received from the market.

1 4. The method of claim 1 wherein the latency comprises an average latency dependent
2 upon at least one recorded time when at least one message is sent to the market and at
3 least one recorded time when a corresponding response is received from the market,
4 wherein all the recorded times used in calculating the latency are recorded during a
5 defined period of time.

[illegible]

5

10

15



STIC Search Report

EIC 3600

STIC Database Tracking Number: 105352

TO: Jagdish Patel
Location: PK5 7A27
Art Unit : 3624
Tuesday, October 07, 2003

Case Serial Number:

From: Bode Akintola
Location: EIC 3600
PK5-Suite 804, 8A01
Phone: 308-6150

Olabode.akintola@uspto.gov

Search Notes

Examiner Jagdish

Please find attached your search results.

Please let me know if you like for me to try a refocused search with a different strategy or additional terms.

Please take a few minutes to fill the attached Colored feedback form to the EIC.

Thanks,

Bode Akintola



STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader
306-5783, PK5- Suite 804

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 PK5 Suite 804



Set	Items	Description
S1	1577	(MARKETS) (S) (LATENCY)
S2	30	(EQUITY OR STOCK) (S) (NEWYORK) (S) (NASDAQ)
S3	26	RD S2 (unique items)
S4	10	S3 AND PY<2001
S5	0	S4 AND S1
S6	27886	(MARKETS) (10N) (RESPONSE)
S7	7	S1 AND S6
S8	1	S7 AND PY<2001
S9	52844	(MARKET OR TRADING) (10N) (ORDER OR TRANSACTION) (10N) (SECURITY OR STOCK)
S10	15	S9 AND S1
?		

Set	Items	Description
S1	0	AU=(AMANAT, I? OR AMANAT I? OR BUNDY M? OR BUNDY, M?)
S2	5180023	MEASUR? OR CALCULAT? OR DETERMIN? OR COMPUTE OR COMPUTES OR COMPUTING OR ESTIMAT?
S3	3157605	EFFECTIVE? OR EFFICIEN?
S4	25999	LATENT? OR LATENCY
S5	403290	(TIME OR SPEED OR QUICK?) (5N) (RECEIVE? OR RESPON? OR FEEDB- ACK? OR MESSAGE? OR INFORMATION)
S6	84422	S2(5N) (S3 OR S4)
S7	743	S6(S)S5
S8	72	S7(15N) (STOCK? ? OR BOND? ? OR SECURITY OR SECURITIES? OR MARKET? ?)
S9	34	S8 NOT PY>2000
S10	26	RD (unique items)

? show files

File 20:Dialog Global Reporter 1997-2003/Oct 06
(c) 2003 The Dialog Corp.

File 476:Financial Times Fulltext 1982-2003/Oct 06
(c) 2003 Financial Times Ltd

File 610:Business Wire 1999-2003/Oct 06
(c) 2003 Business Wire.

File 613:PR Newswire 1999-2003/Oct 06
(c) 2003 PR Newswire Association Inc

File 624:McGraw-Hill Publications 1985-2003/Oct 03
(c) 2003 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2003/Oct 04
(c) 2003 San Jose Mercury News

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

10/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

14174699 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Leading Mexican Telecommunications Company Selects Sagent to Provide
Complete, Consolidated View of Its Customers**
BUSINESS WIRE
December 11, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 696

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... effectively calculate financial reports, analyze the customer base
in order to build products to meet **market** needs, and reduce the **response
time** for customer inquiries.

"With the flexibility and power of the Sagent Solution, we are now...

10/3,K/2 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

11351167 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Digital Microwave, HSE Communications Deliver Broadband Fixed Wireless
Access Solution for Major Service Provider**
PR NEWSWIRE
June 05, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 866

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... broadband delivery, so we turned to our established partner DMC,"
said David Otey, HSE new **market** development director. "DMC responded
quickly and delivered a cost- **effective** solution for the system,
calculated to exceed eight-nines (99.999999) percent of reliability.
Because of the flexibility of the...

10/3,K/3 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

09685153 (USE FORMAT 7 OR 9 FOR FULLTEXT)
(PR) PayPal Licenses Certicom Wireless Security Technology
PR NEWSWIRE
February 02, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 687

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a result of the risks identified in the documents that we file with
the Ontario **Securities** Commission and other **securities** regulatory
authorities from time to **time** including our current Annual **Information
Form**.

/CONTACT: David Krane, Director of Corporate Marketing, Certicom
Corp., 510-780-5420, dkrane@certicom...

10/3,K/4 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

09192538 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Certicom Introduces Smart Card Developer's Toolkit
PR NEWSWIRE
January 18, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 710

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a result of the risks identified in the documents that we file with the Ontario **Securities** Commission and other **securities** regulatory authorities from time to **time** including our current Annual **Information** Form.

/CONTACT: David Krane, Director of Corporate Marketing, Certicom Corp., 510-780-5420, dkrane@certicom...

10/3,K/5 (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08939355
Briefs: Logistic techniques
BUSINESSWORLD (PHILIPPINES),. p20
January 03, 2000
JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 241

... will showcase the latest technology, innovative products and new services cutting-edge companies need to **quickly** and effectively **respond** to the demands of the global **market** It will provide companies the opportunity to **market** their products and services to key industry decision-makers. Comprehensive packages including sponsorship opportunities are...

10/3,K/6 (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

08615264 (USE FORMAT 7 OR 9 FOR FULLTEXT)
(PR) Extended Systems Licenses Certicom Wireless Security Technology
PR NEWSWIRE
December 08, 1999
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 864

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a result of the risks identified in the documents that we file with the Ontario **Securities** Commission and other **securities** regulatory authorities from time to **time** including our current Annual **Information** Form.

/CONTACT: please contact: David Krane, Director of Corporate

Communications, Certicom Corp., 510-780-5420...

10/3,K/7 (Item 7 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

06625161 (USE FORMAT 7 OR 9 FOR FULLTEXT)

StockUp.com Inc. Completes Certified Audit and Files Form 10

BUSINESS WIRE

August 10, 1999

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 550

... determined by the SEC, StockUp.com Inc. will become a fully reporting company. At that time, financial and business-related information required to be reported by the company under the Securities and Exchange Act of 1934 will be publicly available from the SEC.

10/3,K/8 (Item 8 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

06405910 (USE FORMAT 7 OR 9 FOR FULLTEXT)

MarketTools Introduces First Comprehensive, Web-Hosted Solutions To Revolutionize Online Market Research

PR NEWSWIRE

July 27, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1042

... an NFO Worldwide company), Roper Starch Worldwide, and Total Research, MarketTools provides a fast, cost-effective means to measure and capture market preferences, attitudes, perceptions and opinions through the Internet. Using MarketTools solutions and advisory services, leading...

10/3,K/9 (Item 9 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
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06386417 (USE FORMAT 7 OR 9 FOR FULLTEXT)

GRC International Receives Prestigious Cogswell Security Award

PR NEWSWIRE

July 26, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 372

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Receiving this award is the result of a team effort that includes top management, the security staff and the entire facility work force. This is the ninth time GRC International has received this prestigious award.

The James S. Cogswell Outstanding Industrial Security Achievement Award is named after the first chief of the DoD's Office of Industrial...

10/3,K/10 (Item 10 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

04595181

JAPAN: Nissan Changes to Get New Models in Production Faster
COMLINE TRANSPORTATION JAPAN
February 23, 1999
JOURNAL CODE: FCTN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 130

... would save about 10 billion yen in costs annually, according to Nissan, and help it **respond** more **quickly** to the **market**. New car development from 2001 will be based on the five platforms and will see...

10/3,K/11 (Item 11 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

04419103

Nissan Changes to Get New Models in Production Faster
COMLINE PACIFIC RESEARCH CONSULTING
February 23, 1999
JOURNAL CODE: WCPC LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 129

... would save about 10 billion yen in costs annually, according to Nissan, and help it **respond** more **quickly** to the **market**. New car development from 2001 will be based on the five platforms and will see...

10/3,K/12 (Item 12 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

04206542 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Internet Security Systems and Schumann AG Sign OEM Agreement to Integrate Enterprise Security Solutions
BUSINESS WIRE
February 02, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1181

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of SAM, companies will be able to more effectively, measure, monitor and manage their overall **security** posture and **respond** in real **time** to potential **security** concerns. We are excited to be partnering with Schumann AG and look forward to leveraging...

10/3,K/13 (Item 13 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

02234590 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Rafidah urges exporters not to be complacent
Adeline Ong
BUSINESS TIMES (MALAYSIA)

July 17, 1998

JOURNAL CODE: FBTM LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 519

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... effective you are, what type of quality products you can produce and how you can **respond quickly** and adequately to meet **market** requirements.

"For those of you who are importing raw materials, you know that the Government...

10/3,K/14 (Item 14 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

01538253 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Perot Systems and Internet Security Systems Form Strategic Alliance
BUSINESS WIRE

May 04, 1998 9:56

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 592

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... for clients. Perot Systems can help clients easily test their security policies and effectively measure **security** practices using Internet Scanner. Internet Scanner automatically detects **security** weaknesses and provides the critical **information** necessary to **quickly** fix **security** problems. As the number of **security** vulnerabilities rises exponentially, Perot Systems can now provide a complete solution to clients that will...

10/3,K/15 (Item 15 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

01431989 (USE FORMAT 7 OR 9 FOR FULLTEXT)

PeopleSoft Chooses Decisive Technology(TM) to Gain Critical Product And Service Insight From Customers

PR NEWSWIRE

April 20, 1998 9:12

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 728

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... opinions and attitudes quickly and continuously enabling them to respond to changes in customer satisfaction, **measure market effectiveness** and keep abreast of changes in the marketplace. The Internet-based solution can be fully...

10/3,K/16 (Item 16 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

01371572

Dendrite Escalates Prescription Sales Data Access, Maximizes Sales Effectiveness of Clients With Rapid Feedback of Sales Call Results

BUSINESS WIRE

April 13, 1998 13:29

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 408

... the daily data and ForceMultiplierx will enable pharmaceutical executives to track prescription sales in test **markets** within a few days of campaign launches, allowing campaigns and sales **messages** to be fine tuned **quickly**. ABOUT DENDRITE

Over 40,000 sales representatives and their managers in over 150 major corporations...

10/3,K/17 (Item 1 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2003 Business Wire. All rts. reserv.

00425143 20001211346B3173 (USE FORMAT 7 FOR FULLTEXT)

Leading Mexican Telecommunications Company Selects Sagent to Provide Complete, Consolidated View of Its Customers-Sagent Solution gives Axtel easy access to comprehensive, real-time analysis of customer transaction data for...

Business Wire

Monday, December 11, 2000 08:07 EST

JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 696

TEXT:

...and marketing campaigns for its extensive service offerings. In addition, the company can now more **effectively calculate** financial reports, analyze the customer base in order to build products to meet **market** needs, and reduce the **response time** for customer inquiries.

"With the flexibility and power of the Sagent Solution, we are now...

10/3,K/18 (Item 2 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2003 Business Wire. All rts. reserv.

00316088 20000710192B7719 (USE FORMAT 7 FOR FULLTEXT)

Asera eService Selected by Edwards Lifesciences for Its Web Content and Community Service Offerings; New Cardiovascular Company's Internet Community Activated in 90 Days

Business Wire

Monday, July 10, 2000 08:18 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 634

...that deliver targeted industry research. With community promotion and management features, corporations can use real- **time market feedback** to drive maximum value from

their business community.
Asera's content services help companies create...

10/3,K/19 (Item 3 from file: 610)

DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00299599 20000612164B0790 (USE FORMAT 7 FOR FULLTEXT)
eBusiness Conference & Expo Exhibitor Profiles A to Z
Business Wire
Monday, June 12, 2000 16:18 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 8,469

...the world's largest independent global software companies. Operating in 42 countries, Candle develops and **markets** over 300 products and services that enable companies to create, integrate, manage and **measure** the **effectiveness** of their e-businesses. Candle's eBusiness Assurance products are designed to monitor the availability...

10/3,K/20 (Item 4 from file: 610)

DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00195424 20000215046B0291 (USE FORMAT 7 FOR FULLTEXT)
Next Generation eBusiness Performance Analysis Powered By Visual Insights Software and Intel's IA-32 and IA-64 Architecture
Business Wire
Tuesday, February 15, 2000 11:59 EST
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 574

...reporting represent a giant leap in function, scale, and effectiveness for eBusiness performance analysis. "The **speed** of eBusiness demands that organizations **respond** with increased agility and decisiveness to **market** trends and customer behavior," he notes. "Powered by Intel's architecture, our new applications will..."

10/3,K/21 (Item 5 from file: 610)

DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00062720 19990620171B0010 (USE FORMAT 7 FOR FULLTEXT)
Environment is of Greatest Concern to Residents of High Technology Communities; IntelliQuest Study Focuses on Quality of Life in Six High Tech U.S. Cities
Business Wire
Sunday, June 20, 1999 01:16 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 438

...databases and software to help technology and Internet companies track product performance and customer satisfaction, **measure** advertising **effectiveness**, assess brand strength and competitive

position, **determine** price sensitivity, and evaluate new products, **markets** or other business opportunities. The Company also licenses custom proprietary software applications for electronic product...

10/3,K/22 (Item 6 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2003 Business Wire. All rts. reserv.

00022336 1999088B0306 (USE FORMAT 7 FOR FULLTEXT)

Insource Technology Promotes Internet as Key to Success for 401-k- Plan Providers

Business Wire

Monday, March 29, 1999 13:05 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 464

...customer expectations: in-depth information, including account balance information, rebalancing and allocation choices, fund and **market** information, and interactive tools such as **calculators** and trend analysis. The most **effective** Web sites allow sponsors to give feedback, and in turn, provide quick responses.

Of great...

10/3,K/23 (Item 1 from file: 624)

DIALOG(R)File 624:McGraw-Hill Publications

(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0165266

PANELISTS SPAR OVER WHETHER INSIDER TRADING IS VICTIMLESS CRIME

Securities Week September 25, 1989; Pg 11

Journal Code: SW ISSN: 0149-3582

Word Count: 518 *Full text available in Formats 5, 7 and 9*

TEXT:

...lawyers that he believes that no one is injured by transactions based on insider information. " **Markets** are made more **efficient** when intelligent **information** is **quickly** **calculated** into the price," Manne said. He criticized the SEC for vigorously enforcing the rules against...

10/3,K/24 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0742899 BW0358

CORP MGMT SOLUTIONS: Corporate Management Solutions Announces Availability of Express Options Desktop

September 08, 1997

Byline: Business Editors

...function allows optionees to respond real time and can be used as a tool to **measure** plan **effectiveness** .

ABOUT CMS Corporate Management Solutions, Inc. ("CMS") develops, **markets** and supports the Express suite of software solutions designed to automate record keeping functions for...

10/3,K/25 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0650179 BW1195

ENCORE COMPUTER: Encore's new real-time cluster architecture leverages "Best of Breed" technology and "Balanced Power" capabilities to the real-time marketplace

December 02, 1996

Byline: Business Editors

...announced at I/ITSEC in Orlando, Fla., this week. Typically, real-time systems lag the **market** technology because of the demanding requirements for **determinism**, low **latency**, and fast **response** I/O, which takes engineering **time** to be designed into today's state-of-the-art offerings. Encore's new real....

10/3,K/26 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1196291 SFM018
Sidewalk Announces Major New National and Regional Advertisers and Sponsors

DATE: December 8, 1997 08:00 EST WORD COUNT: 823

... us communicate with them in a very targeted, personal way. The ability to deliver different **messages** to different **markets** and get **quick measures** of **effectiveness** is a major benefit."

Besides enabling advertisers to deliver different campaigns to different **markets**, Sidewalk allows them to evaluate the effectiveness of campaigns in those markets, so Holland America...

Set	Items	Description
S1	6	AU=(AMANAT, I? OR AMANAT I?)
S2	973078	MEASUR? OR CALCULAT? OR DETERMIN? OR COMPUTE OR COMPUTES OR COMPUTING OR ESTIMAT?
S3	751009	EFFECTIVE? OR EFFICIEN?
S4	40336	LATENT? OR LATENCY
S5	188228	STOCK? ? OR BOND? ? OR SECURITY OR SECURITIES? OR MARKET?
	?	
S6	139102	(TIME OR SPEED OR QUICK?) (5N) (RECEIVE? OR RESPON? OR FEEDB- ACK? OR MESSAGE? OR INFORMATION)
S7	2	S1 AND S4
S8	71050	S2(7N)S3
S9	484	S8(15N)S5
S10	31	S9(5N) (TIME OR SPEED)
S11	18450	S2(5N)S6
S12	53	S11(5N)S5
S13	78	S10 OR S12
S14	59	S13 AND IC=(G06F? OR H04L?)

? show file

File 348:EUROPEAN PATENTS 1978-2003/Sep W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031002,UT=20030925

(c) 2003 WIPO/Univentio

14/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01602652

Methods and systems for providing crossing markets
Verfahren und Systeme zum Bereitstellen wechselseitiger Markte
Procede et systeme pour fournir des marches croises

PATENT ASSIGNEE:

eSpeed, Inc., (4316310), 135 East 57th Street, 5th Floor, New York, New York 10022, (US), (Applicant designated States: all)

INVENTOR:

Gilbert, Andrew C., , , deceased, (US)
Kirwin, Glenn D., , , deceased, (US)

LEGAL REPRESENTATIVE:

VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1326190 A1 030709 (Basic)
APPLICATION (CC, No, Date): EP 2002029104 021230;
PRIORITY (CC, No, Date): US 40837 020107
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO
INTERNATIONAL PATENT CLASS: **G06F-017/60**
ABSTRACT WORD COUNT: 41

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200328	890
SPEC A	(English)	200328	2366
Total word count - document A			3256
Total word count - document B			0
Total word count - documents A + B			3256

INTERNATIONAL PATENT CLASS: **G06F-017/60**

...SPECIFICATION seek added liquidity without requiring dealer and trader participation in the trades by combining the **markets** of individual dealers and traders.

Furthermore, crossings **efficiently** funnel liquidity into pre-determined packets of **time** and equilibrium -- i.e., generally accepted -- price levels. Because the institutional customers know prior to...

14/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01593671

Integrated order pre-matching system
Integriertes System mit vorgelagertem Zusammenfuehren von Auftragen
Systeme integre avec preconcordance d'ordres

PATENT ASSIGNEE:

DEUTSCHE BORSE AG, (3963990), , , 60485 Frankfurt am Main, (DE),
(Applicant designated States: all)

INVENTOR:

Gomber, Peter, Dr., c/o Deutsche Borse AG, 60485 Frankfurt am Main, (DE)

Maurer, Kai-Oliver, Dr., c/o Deutsche Borse AG, 60485 Frankfurt am Main, (DE)
Zickwolff, Marcus, c/o Deutsche Borse AG, 60485 Frankfurt am Main, (DE)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1321870 A1 030625 (Basic)
APPLICATION (CC, No, Date): EP 2001129858 011214;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
ABSTRACT WORD COUNT: 125
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200326	2334
SPEC A	(English)	200326	9332
Total word count - document A			11666
Total word count - document B			0
Total word count - documents A + B			11666

INTERNATIONAL PATENT CLASS: G06F-017/60

...CLAIMS order matches the quote comprises the steps of:
determining (610) the trading phase of the **security** trading system at
the **time** the order is **received**; and
if the **determined** trading phase indicates a running auction (810)
within a continuous trading phase (800), a volatility...

14/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01433256

A consumable item providing system and a consumable item providing method
Verfahren und System zum Bereitstellen von verzehrbaren Produkten
Methode et systeme pour la fourniture de produits consommables

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
(Applicant designated States: all)

INVENTOR:

Yamamoto, Tetsuichiro, NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo, (JP)

LEGAL REPRESENTATIVE:

VOSSIUS & PARTNER (100314), Siebertstrasse 4, 81675 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1213674 A2 020612 (Basic)
APPLICATION (CC, No, Date): EP 2001128368 011130;
PRIORITY (CC, No, Date): JP 2000370708 001205
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/60
ABSTRACT WORD COUNT: 110
NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200224	547
SPEC A	(English)	200224	7823
Total word count - document A			8370
Total word count - document B			0
Total word count - documents A + B			8370

INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION a consumptive amount of the consumable item, based on a consumptive amount information of the **measured** consumptive amount and the initial **information** and a **time information** corresponding to the **measured** consumptive amount and the initial **stock** amount to set the reference value based on the estimated consumptive amount.

Also in this the consumable item, based on a consumptive amount information of the **measured** consumptive amount and the initial **information** and a **time information** corresponding to the **measured** consumptive amount and the initial **stock** amount to set the reference value based on the estimated consumptive amount.

In this case...

...a consumptive amount of the consumable item, based on a consumptive amount information of the **measured** consumptive amount and the initial **information** and a **time information** corresponding to the **measured** consumptive amount and the initial **stock** amount to set the reference value based on the estimated consumptive amount.

Also in this...

...a consumptive amount of the consumable item, based on a consumptive amount information of the **measured** consumptive amount and the initial **information** and a **time information** corresponding to the **measured** consumptive amount and the initial **stock** amount; and (h) setting the reference value based on the estimated consumptive amount.

In order...

...CLAIMS a consumptive amount of said consumable item, based on a consumptive amount information of said **measured** consumptive amount and said initial **information** and a **time information** corresponding to said **measured** consumptive amount and said initial **stock** amount to set said reference value based on said estimated consumptive amount.

5. The system...

...a consumptive amount of said consumable item, based on a consumptive amount information of said **measured** consumptive amount and said initial **information** and a **time information** corresponding to said **measured** consumptive amount and said initial **stock** amount; and

(h) setting said reference value based on said estimated consumptive amount.

14/3,K/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01360846

Bode Akintola06-Oct-03

Method of establishing a security policy, and apparatus for supporting establishment of security policy
Verfahren zur Aufstellung einer Sicherheitsverfahrenschablone und Vorrichtung zur Unterstuetzung dieser Aufstellung
Procede d'etablissement d'une ligne de conduite de securite et son dispositif de support

PATENT ASSIGNEE:

Asgent, Inc., (3162060), 19-7 Nihonbashi-koamicho, Chuo-ku, Tokyo
103-0016, (JP), (Applicant designated States: all)

INVENTOR:

Sugimoto, Takahiro, c/o Asgent, Inc., 19-7 Nihonbashi-koamicho Chuo-ku, Tokyo 103-0016, (JP)

LEGAL REPRESENTATIVE:

Leson, Thomas Johannes Alois, Dipl.-Ing. et al (78981), Patentanwalte Tiedtke-Buhling-Kinne & Partner, Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1160643 A2 011205 (Basic)

APPLICATION (CC, No, Date): EP 2000124083 001106;

PRIORITY (CC, No, Date): JP 2000164819 000601

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT WORD COUNT: 81

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200149	2316
SPEC A	(English)	200149	11469
Total word count - document A			13785
Total word count - document B			0
Total word count - documents A + B			13785

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION are stored in the storage means 14 beforehand. Further, an average value is updated every time assessment of security effectiveness is performed, to thereby calculate scores to be assigned to a certain organization.

Consideration of Geographical Factor

In the present...

14/3,K/5 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01146183

Security monitoring apparatus based on access log and method thereof
Sicherheitsuberwachungsvorrichtung basierend auf einem Zugriffslog und Verfahren dafur

Appareil de controle de securite base sur un journal d'accès et methode correspondante

PATENT ASSIGNEE:

FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States: all)

INVENTOR:

Sekiguchi, Minoru, c/o Fujitsu Limited, 1-1, Kamikodanaka 4-chome,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP)

LEGAL REPRESENTATIVE:

Stebbing, Timothy Charles et al (59641), Haseltine Lake & Co., Imperial
House, 15-19 Kingsway, London WC2B 6UD, (GB)

PATENT (CC, No, Kind, Date): EP 999490 A2 000510 (Basic)

APPLICATION (CC, No, Date): EP 99305514 990712;

PRIORITY (CC, No, Date): JP 98314134 981105

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT WORD COUNT: 94

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200019	824
SPEC A	(English)	200019	7693
Total word count - document A			8517
Total word count - document B			0
Total word count - documents A + B			8517

INTERNATIONAL PATENT CLASS: G06F-001/00

...SPECIFICATION end times, and it often slides gradually by repeating an
access.

For this reason, the **security** management unit 112 manages
information about a **time** zone using a method for **determining** the
scope of the time zone where access is gained with a statistical process.
For...

14/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00319161

Fault location in optical communications networks.

Fehlerlokalisierung in optischen Übertragungsnetzwerken.

Localisation d'erreurs dans des reseaux de communication optique.

PATENT ASSIGNEE:

BRITISH TELECOMMUNICATIONS public limited company, (846101), British
Telecom Centre, 81 Newgate Street, London EC1A 7AJ, (GB), (applicant
designated states: AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Ballance, John William, 15 Crownfields Ufford, Woodbridge Suffolk IP13
6EY, (GB)

LEGAL REPRESENTATIVE:

Semos, Robert Ernest Vickers et al (43051), BRITISH TELECOM Intellectual
Property Unit 13th Floor 151 Gower Street, London WC1E 6BA, (GB)

PATENT (CC, No, Kind, Date): EP 318335 A1 890531 (Basic)

EP 318335 B1 930901

APPLICATION (CC, No, Date): EP 88311259 881128;

PRIORITY (CC, No, Date): GB 8727846 871127

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: H04B-010/00; H04J-014/00; H04L-025/49

ABSTRACT WORD COUNT: 124

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	495
CLAIMS B	(German)	EPBBF1	494
CLAIMS B	(French)	EPBBF1	570
SPEC B	(English)	EPBBF1	10985
Total word count - document A			0
Total word count - document B			12544
Total word count - documents A + B			12544

...INTERNATIONAL PATENT CLASS: **H04L-025/49**

...SPECIFICATION slots as required up to the maximum capacity of the system.

Since downstream traffic is **broadcast** , the system design requires **measures** to ensure communications **security** . Casual access to time slots can be prevented by appropriate design of the customer's...

14/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00308423

Secure information storage.

Sichere Informationsspeicherung.

Stockage sur d'information.

PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
California 94304, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Marshall, Alan David, 5 Trin Mills Merchants Landing, Bristol BS 4RJ,
(GB)

Proudlar, Graeme John, 5 Touchstone Avenue Meade Park, Stoke Gifford
Bristol BS12 6XQ, (GB)

Mitchell, Christopher John, Manor House Cottage High Street, Codford
Warminster Wilts BA 12 ONE, (GB)

LEGAL REPRESENTATIVE:

Squibbs, Robert Francis et al (36277), Intellectual Property Section
Building 2 Hewlett-Packard Limited Filton Road, Stoke Gifford Bristol
BS12 6QZ, (GB)

PATENT (CC, No, Kind, Date): EP 281225 A2 880907 (Basic)
EP 281225 A3 900711
EP 281225 B1 940518

APPLICATION (CC, No, Date): EP 88300367 880118;

PRIORITY (CC, No, Date): GB 8704883 870303

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: **G06F-012/14 ; H04L-009/32**

ABSTRACT WORD COUNT: 180

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	542
CLAIMS B	(German)	EPBBF1	521
CLAIMS B	(French)	EPBBF1	579
SPEC B	(English)	EPBBF1	13348
Total word count - document A			0
Total word count - document B			14990

Total word count - documents A + B 14990

INTERNATIONAL PATENT CLASS: G06F-012/14 ...

... H04L-009/32

...SPECIFICATION a base key (the key above it) and a message key. The keys are stored in clear (ie after decryption) in the security module in the blocks 70, 71, 72 ...; each key is therefor also stored in these...

14/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00308422

Secure messaging systems.

Gesicherte Nachrichtensysteme.

Systemes de messages securises.

PATENT ASSIGNEE:

Hewlett-Packard Company, (206031), Mail Stop 20 B-O, 3000 Hanover Street,
Palo Alto, California 94304, (US), (applicant designated states:
DE;FR;GB)

INVENTOR:

Marshall, Alan David, 5 Trin Mills, Merchants Landing Bristol BS 4RJ,
(GB)

Proudlar, Graeme John, 5 Touchstone Avenue Meade Park, Stoke Gifford
Bristol BS12 6XQ, (GB)

Mitchell, Christopher John, Manor House Cottage High Street, Codford
Warminster Wilts BA12 ONE, (GB)

LEGAL REPRESENTATIVE:

Squibbs, Robert Francis et al (36277), Intellectual Property Section
Building 2 Hewlett-Packard Limited Filton Road, Stoke Gifford Bristol
BS12 6QZ, (GB)

PATENT (CC, No, Kind, Date): EP 281224 A2 880907 (Basic)
EP 281224 A3 900117
EP 281224 B1 940323

APPLICATION (CC, No, Date): EP 88300366 880118;

PRIORITY (CC, No, Date): GB 8704920 870303

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04L-009/00

ABSTRACT WORD COUNT: 190

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	695
CLAIMS B	(German)	EPBBF1	690
CLAIMS B	(French)	EPBBF1	770
SPEC B	(English)	EPBBF1	13684
Total word count - document A			0
Total word count - document B			15839
Total word count - documents A + B			15839

INTERNATIONAL PATENT CLASS: H04L-009/00

...SPECIFICATION arrive slightly earlier than they would otherwise.

The block 85 also contains a timer TMR 98 , which is used to measure the time elapsed since a system message was last sent, and trigger a resending of unacknowledged system messages when that time exceeds...

14/3,K/9 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

01047134 **Image available**

AN AUTOMATED SEMI-DETERMINISTIC TRADING SYSTEM
SYSTEME COMMERCIAL AUTOMATIQUE SEMI-DETERMINISTE

Patent Applicant/Assignee:

OM TECHNOLOGY AB, Norrlandsgatan 31, S-105 78 Stockholm, SE, SE
(Residence), SE (Nationality)

Inventor(s):

LYBACK David, Erik Dahlbergsg. 47, S-115 57 Stockholm, SE,

Legal Representative:

SANDSTROM Staffan (et al) (agent), OM Technology AB, Patent Function,
S-105 78 Stockholm, SE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200377177 A2 20030918 (WO 0377177)

Application: WO 2003SE287 20030221 (PCT/WO SE0300287)

Priority Application: US 200295773 20020313

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3080

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... The Agent in the ATS will continuously evaluate the triggers in its
instruction against real- time market information received from
the deterministic core unit.

The drawback for the trader with communicating trade intention early,
can be more...

14/3,K/10 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

01031096 **Image available**

CRYPTOSYNC DESIGN FOR A WIRELESS COMMUNICATION SYSTEM
CONCEPTION DE CRYPTOSYNC POUR UN SYSTEME DE COMMUNICATION SANS FIL

Patent Applicant/Assignee:

QUALCOMM INCORPORATED, 5775 Morehouse Drive, San Diego, CA 92121, US, US
(Residence), US (Nationality)

Inventor(s):

REZAIIFAR Ramin, 10896 Caminito Arcada, San Diego, CA 92131, US,
BENDER Paul E, 2879 Angell Avenue, San Diego, CA 92122, US,

QUICK Roy Franklin Jr, 1150 Barcelona Drive, San Diego, CA 92107, US,
Legal Representative:
WADSWORTH Philip R (et al) (agent), 5775 Morehouse Drive, San Diego, CA
92121, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200361192 A2 20030724 (WO 0361192)

Application: WO 2003US496 20030107 (PCT/WO US0300496)

Priority Application: US 2002348968 20020114; US 2002106971 20020325

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12506

Main International Patent Class: H04L-009/12

Fulltext Availability:

Detailed Description

Detailed Description

... Stamp that may be used by the Authentication and Encryption
Protocols, and (2) at the **receiver**, **computes** the **Time** Stamp using
the **information** provided in the Generic **Security** Protocol header or
based on the reception time of a packet. The IS856 Specification also...

14/3,K/11 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01028526 **Image available**

METHODS AND SYSTEMS FOR PROVIDING CROSSING MARKETS

PROCEDES ET SYSTEMES PERMETTANT D'OBTENIR DES MARCHES D'OPERATIONS CROISEES

Patent Applicant/Assignee:

eSPEED INC, 5th Floor, 135 East 57th Street, New York, NY 10022, US, US
(Residence), US (Nationality)

Inventor(s):

GILBERT Andrew C (deceased),

KIRWIN Glenn D (deceased),

Legal Representative:

ROGERS Laurence S (et al) (agent), Fish & Neave, 1251 Avenue of the
Americas, New York, NY 10020, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200358488 A1 20030717 (WO 0358488)

Application: WO 2002US41826 20021230 (PCT/WO US0241826)

Priority Application: US 200240837 20020107

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK
TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 3537

Main International Patent Class: **G06F-017/16**
Fulltext Availability:
Detailed Description

Detailed Description

... seek added liquidity without requiring dealer and
trader participation in the trades by combining the
markets of individual dealers and traders.

Furthermore, crossings **efficiently** funnel liquidity
into pre- **determined** packets of **time** and equilibrium
i.e., generally accepted -- price levels. Because the
institutional customers

14/3,K/12 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

01018930 **Image available**
**APPARATUS, SYSTEM AND METHOD FOR CONFIGURATION OF ADAPTIVE INTEGRATED
CIRCUITRY HAVING FIXED, APPLICATION SPECIFIC COMPUTATIONAL ELEMENTS
APPAREIL, SYSTEME ET PROCEDE POUR LA CONFIGURATION D'UN CIRCUIT INTEGRE
ADAPTATIF DOTE D'ELEMENTS DE CALCUL FIXES, SPECIFIQUES D'APPLICATIONS**

Patent Applicant/Assignee:

QUICKSLIVER TECHNOLOGY INC, 6640 Via Del Oro, Suite 120, San Jose, CA
95119, US, US (Residence), US (Nationality)

Inventor(s):

MASTER Paul, 796 Dartshire Way, Sunnyvale, CA 94087, US,
SMITH Stephen, 115 Almond Hill Court, Los Gatos, CA 95032, US,
WATSON John, 10427 22nd Street East, Edgewood, WA 98372, US,

Legal Representative:

GAMBURD Nancy (et al) (agent), Much Shelist Freed Deneberg Ament, &
Rubenstein P.C., 191 North Wacker Drive, Suite 1800, Chicago, IL
60606-1615, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200348927 A1 20030612 (WO 0348927)
Application: WO 2002US37014 20021118 (PCT/WO US0237014)
Priority Application: US 2001997530 20011130

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16184

Main International Patent Class: **G06F-009/302**
Fulltext Availability:
Detailed Description

Detailed Description

... configuration information may occur in advance, or may occur at run I
0 time (download **time**).

Following selection of appropriate configuration **information** , **security measures** are implemented, such as encryption of a configuration bit file, step 825. The secure configuration...

14/3,K/13 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

01016718 **Image available**

MULTIMEDIA PRESENTATION THAT ASSISTS A USER IN THE PLAYING OF A MUSICAL INSTRUMENT

PRESENTATION MULTIMEDIA ASSISTANT UN UTILISATEUR LORS DE LA PRATIQUE D'UN INSTRUMENT DE MUSIQUE

Patent Applicant/Assignee:

LINE 6 INC, 29901 Agoura Road, Agoura Hills, CA 91301, US, US (Residence)
, US (Nationality)

Inventor(s):

BRINKMAN John, 69 Dobkin Place, Simi Valley, CA 91365, US,
HAMILTON Dave, 1856 Crystal View Circle, Newbury Park, CA 91320, US,
LONGAWA John, 121 Windsong Street, Thousand Oaks, CA 91360, US,
RAMPLEY Rob, 6240 LeSage Avenue, Woodland Hills, CA 91367, US,
RANDALL Charles Corris, 8132 Quartz Avenue, Winnetka, CA 91306, US,
RYLE Marcus, 4548 Valley Spring Drive, Westlake Village, CA 91362, US,

Legal Representative:

KING Eric T (et al) (agent), Blakely, Sokoloff, Taylor & Zafman, 12400
Wilshire Blvd., 7th Floor, Los Angeles, CA 90025-1026, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200346734 A1 20030605 (WO 0346734)

Application: WO 2002US37154 20021119 (PCT/WO US0237154)

Priority Application: US 2001990532 20011121; US 2001990801 20011121; US
2001990803 20011121

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25005

Main International Patent Class: **G06F-013/00**

Fulltext Availability:

Detailed Description

Detailed Description

... is timed out, and the session is terminated (block 817). However, if a response is **received** within the predefined period of **time** , the server 104 **determines** whether the response from the **security** device I IO matches the expected response (block 818). If not, the session is terminated...

14/3,K/14 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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01000979

THE PFN/TRAC SYSTEM"sup"TM FAA UPGRADES FOR ACCOUNTABLE REMOTE AND ROBOTICS
CONTROL TO STOP THE UNAUTHORIZED USE OF AIRCRAFT AND TO IMPROVE
EQUIPMENT MANAGEMENT AND PUBLIC SAFETY IN TRANSPORTATION
PERFECTIONNEMENTS FAA AU SYSTEME PFN/TRAC<SP>MD</SP> POUR LE CONTROLE
RESPONSABLE A DISTANCE ET ROBOTIQUE POUR L'ELIMINATION DE L'UTILISATION
NON AUTORISEE D'AERONEFS ET POUR L'AMELIORATION DE LA GESTION
D'EQUIPEMENT ET DE LA SECURITE PUBLIQUE DANS LE DOMAINE DU TRANSPORT

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

WALKER Richard C, 11201 Spur Wheel Lane, Potomac, MD 20854, US, US
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Legal Representative:

DONNER Irah H (et al) (agent), Hale and Dorr LLP, 1455 Pennsylvania
Avenue, N.W., Washington, DC 20004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200329922 A2 20030410 (WO 0329922)

Application: WO 2002US30857 20021001 (PCT/WO US0230857)

Priority Application: US 2001325538 20011001; US 2001330085 20011019

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ

DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD

SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133713

Main International Patent Class: G06F

Fulltext Availability:

Detailed Description

Detailed Description

... 37 (lower right) being held by a TSA officer at the airport checking
baggage identity **information** and sensed data recovered through the FACT
Security program operating in the PFN/TRAC sensing system in the
terminal.

By definition "The la...do to Preprogrammiing in the individual PFNs.

They are also receiving data from FACT TSA **Security** command. Specific
scenarios and **responses** have to be projected an **determined** in an on

going process to develop the most optimum and consistent results and use
...on calibrated mapping displays of all moving assets on the airport

campus (monitoring procedures and **response** protocols to be **determined**
) . This will be a unique **security** advantage and main reason for

requesting commercial cooperation in constructing a multiple access local
wireless...

14/3,K/15 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00994559

**DIGITAL OPTIONS HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING
EXCHANGE THEREFOR
OPTIONS NUMERIQUES A RETOURS AJUSTABLES BASEES SUR LA DEMANDE ET BOURSE
D'ECHANGES COMMERCIAUX AFFERENTE**

Patent Applicant/Assignee:

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US (Nationality)

Inventor(s):

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Legal Representative:

WEISS Charles A (et al) (agent), Kenyon & Kenyon, One Broadway, New York,
NY 10004, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200323575 A2 20030320 (WO 0323575)

Application: WO 2002US30309 20020909 (PCT/WO US0230309)

Priority Application: US 2001950498 20010910

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 122079

Main International Patent Class: **G06F**

Fulltext Availability:

Claims

Claim

... during each trading period, finalized returns at the end of each trading period; and (d) **determining**, **responsive** to an identification of the defined state that occurred upon the fulfillment of all of... frequent calculation of returns and to ascertain the outcomes during the observation periods.

(g) Real- **Time** Calculation Engine Server: Frequent **calculation** of **market**

returns may increase the **efficient** functioning of the **market**. Data on

coupons, dividends, **market** interest rates, spot prices, and other **market**

data can be used to calculate opening returns at the beginning of a trading period...

14/3,K/16 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00973662 **Image available**

TEMPORAL PROXIMITY TO VERIFY PHYSICAL PROXIMITY

**VERIFICATION DE PROXIMITE PHYSIQUE PAR CORRESPONDANCE AVEC UNE PROXIMITE
TEMPORELLE**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

EPSTEIN Michael, Prof . Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

GROENENDAAL Antonius W M (agent), Internationaal Octrooibureau B.V.,

Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200303687 A1 20030109 (WO 0303687)

Application: WO 2002IB2589 20020628 (PCT/WO IB0202589)

Priority Application: US 2001894391 20010628

Designated States: CN JP KR

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 2922

Main International Patent Class: H04L-029/00

English Abstract

A **security** system (100) assesses the **response time** to requests for **information** to **determine** whether the responding system (132, 142) is in physical proximity to the requesting system. Generally...

14/3,K/17 (Item 9 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00950302 **Image available**

SYSTEM AND METHOD FOR WEB-BASED MARKETING AND CAMPAIGN MANAGEMENT

SYSTEME ET PROCEDE DE MARKETING BASE SUR INTERNET ET GESTION DE CAMPAGNE

Patent Applicant/Assignee:

BEA SYSTEMS INC, 2315 North First Street, San Jose, CA 95131, US, US

(Residence), US (Nationality)

Inventor(s):

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STAMM Tom, 894 West Willow Street, Louisville, CO 80027, US,

BERGMAN Robert, 9669 Orangewood Drive, Denver, CO 80260, US,

COOKE Thomas, *

Legal Representative:

MEYER Sheldon R (et al) (agent), Fliesler, Dubb, Meyer and Lovejoy LLP,

Fourth Floor, Four Embarcadero Center, San Francisco, CA 94111-4156, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200284441 A2 20021024 (WO 0284441)

Application: WO 2002US11969 20020416 (PCT/WO US0211969)

Priority Application: US 2001283977 20010416; US 2001306487 20010718; US
NONE 20020415; US NONE 20020415

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 16487

Main International Patent Class: G06F

Fulltext Availability:

Detailed Description

Detailed Description

... patterns. Improve marketing effectiveness by developing and implementing highly targeted initiatives delivered through the most **effective** channels, **measuring** their success, and making real- **time** adjustments.

Fastertime to **market** with a comprehensive suite of components and templates that can be quickly and easily customized...Improve marketing effectiveness by developing and implementing highly targeted initiatives delivered through the most **0 effective** channels, **measuring** their success, and making real- **time** adjustments.

Faster **time** to **market** with a comprehensive suite of components and templates that can be quickly and easily customized...

14/3,K/18 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00939231 **Image available**

LIFE INSURANCE PRODUCTS UNDER A SINGLE APPROVED FORM

PRODUITS D'ASSURANCE-VIE SOUS FORME REGLEMENTAIRE UNIQUE

Patent Applicant/Assignee:

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US (Nationality)

Inventor(s):

SCHIMINOVICH Gabriel R, M Financial Group, 205 Spokane Street, Portland,
OR 97202-6413, US,

Legal Representative:

GRADY L White (agent), Covington & Burling, 1201 Pennsylvania Avenue,
N.W., Washington, DC 20004-2401, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200273360 A2-A3 20020919 (WO 0273360)

Application: WO 2002US7534 20020313 (PCT/WO US0207534)

Priority Application: US 2001275030 20010313; US 2001333748 20011129

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 118771

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... and

temporary. Since some carriers define permanent flat extras to only apply for a certain **time** period there needs to be an entry in the

carrier utility to specify how long...

14/3,K/19 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00919226

DRUG EVALUATION OPERATING PRINCIPLES
PRINCIPES OPERATIONNELS DE L'EVALUATION DE MEDICAMENTS

Patent Applicant/Assignee:

ORTHO-MCNEIL PHARMACEUTICAL INC, c/o Walllen John W., Ph., D., J., D.,
III, Johnson & Johnson Law Dept., U.S. Route 202, Raritan, NJ 08869, US
, US (Residence), US (Nationality)

Inventor(s):

ERNEST Michael (deceased),

Legal Representative:

PELTO Don (et al) (agent), McKenna & Cuneo, LLP, 1900 K Street, N.W.,
Washington, DC 20006, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200252479 A1 20020704 (WO 0252479)

Application: WO 2001US47353 20011207 (PCT/WO US0147353)

Priority Application: US 2000257166 20001222; US 2001956094 20010920

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10304

Main International Patent Class: G06F-017/60

International Patent Class: G06F-019/00

Fulltext Availability:

Detailed Description

Detailed Description

... collected and analyzed.

The methods of the present invention provide the means to maximize
economic efficiency , maintain cost containment measures , reduce time
to market ; yet still permit a pharmaceutical company to be the first
to market a new drug and thus, protect its financial investment.
Indeed, the methodologies of the present...

14/3,K/20 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00884038 **Image available**

**APPARATUS AND METHOD FOR LOAD BALANCING AMONG DATA COMMUNICATIONS PORTS IN
AUTOMATED SECURITIES TRADING SYSTEMS**

**APPAREIL ET PROCEDURE POUR EQUILIBRER DES CHARGES PARMI LES PORTS DE
COMMUNICATION DE DONNEES DANS LES SYSTEMES AUTOMATIQUES DE COMMERCE DE
VALEURS**

Patent Applicant/Assignee:

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Inventor(s):

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BUNDY Michael, 22422 Cove Hollow, Katy, TX 77450, US,

Legal Representative:

ARNOLD Gordon (agent), Arnold & Associates 2603 Augusta, Suite 800, Houston, TX 77057, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200217559 A2-A3 20020228 (WO 0217559)

Application: WO 2001US25215 20010813 (PCT/WO US0125215)

Priority Application: US 2000643073 20000821

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD

SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8193

Main International Patent Class: H04L-012/18

International Patent Class: H04L-029/06

Fulltext Availability:

Detailed Description

Detailed Description

... the order, share by share, have been executed, cancelled, rejected, or killed.

"Latency" means a **measure** of the **speed** with which **markets** **respond** to orders and cancellations. Latency in many embodiments of the invention is determined as the...

14/3,K/21 (Item 13 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00883996

APPARATUS AND METHOD FOR ADDING LIQUIDITY TO AN ECN AND IMPROVING EXECUTIONS OF ORDERS FOR SECURITIES

APPAREIL ET PROCEDE PERMETTANT D'AJOUTER DE LA LIQUIDITE A UN RESEAU DE COMMUNICATION ELECTRONIQUE ET D'AMELIORER L'EXECUTION D'ORDRES POUR LES TITRES

Patent Applicant/Assignee:

TRADESCAPE TECHNOLOGIES L L C, 135 East 57th Street, 31st Floor, New York, NY 10022, US, US (Residence), US (Nationality)

Inventor(s):

AMANAT Omar, 155 East 31st Street, New York, NY 10066, US,

BUNDY Michael, 22422 Cove Hollow, Katy, TX 77450, US,

Legal Representative:

ARNOLD Gordon T (agent), Arnold & Associates, 2603 Augusta, Suite 800, Houston, TX 77057, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200217185 A2 20020228 (WO 0217185)
Application: WO 2001US25302 20010813 (PCT/WO US0125302)
Priority Application: US 2000643227 20000822
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7498

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... and others as well, are all within the scope of the invention.

"Latency" means a **measure** of the **speed** with which **markets** **respond** to orders and cancellations. Latency in many embodiments of the invention is determined as the...

14/3,K/22 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00876811 **Image available**

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR DEVICE, OPERATING SYSTEM,
AND NETWORK TRANSPORT NEUTRAL SECURE INTERACTIVE MULTI-MEDIA MESSAGING
SYSTEME, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR APPAREIL, SYSTEME
D'EXPLOITATION ET MESSAGERIE MULTIMEDIA INTERACTIVE RESEAU, NEUTRE ET
SECURISEE

Patent Applicant/Assignee:

STORYMAIL INC, 15729 Los Gatos Boulevard, Los Gatos, CA 95032, US, US
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Inventor(s):

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BALDWIN Robert W, 990 Amarillo Avenue, Palo Alto, CA 94303, US,
SAXBY David B, 14946 Granite Court, Saratoga, CA 95070, US,

Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200210962 A1 20020207 (WO 0210962)

Application: WO 2001US23713 20010727 (PCT/WO US0123713)

Priority Application: US 2000627357 20000728; US 2000627358 20000728; US
2000627645 20000728; US 2000628205 20000728; US 2000706606 20001104; US
2000706609 20001104; US 2000706610 20001104; US 2000706611 20001104; US
2000706612 20001104; US 2000706613 20001104; US 2000706614 20001104; US
2000706615 20001104; US 2000706616 20001104; US 2000706617 20001104; US
2000706621 20001104; US 2000706661 20001104; US 2000706664 20001104; US
2001271455 20010225; US 2001912715 20010725; US 2001912936 20010725; US
2001912905 20010725; US 2001912773 20010725; US 2001912885 20010725; US
2001912860 20010725; US 2001912941 20010725; US 2001912901 20010725; US

2001912772 20010725

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 169299

Main International Patent Class: G06F-017/00

Fulltext Availability:

Detailed Description

Detailed Description

... both the encryption and authentication keys, so the architecture is
simpler and fewer round trip **messages** are required to establish strong
security properties.

The certificates have the following format.

Type - 1 byte = SM-Certificate

Version - 1 byte...

14/3,K/23 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00870130 **Image available**

**OBJECT ORIENTED SYSTEM AND METHOD FOR PERSISTENCE CONTROL AND COORDINATION
FOR TRADING SYSTEMS**

**GESTION ET COORDINATION DE PERSISTENCE POUR SYSTEME ORIENTE OBJET D'UN
SYSTEME DE NEGOCE**

Patent Applicant/Assignee:

KESTREL TECHNOLOGIES INC, 4th Floor, 40 Broad Street, New York, NY 1004,
US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

FRECKLETON Graham M, 155 East 31st Street, 20H, New York, NY 10018, US,
US (Residence), US (Nationality), (Designated only for: US)
GERMAN Valery, 1877 East 12th Street, SG, Brooklyn, NY 11229, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

ERDMAN Kevin R (agent), Baker & Daniels, Suite 2700, 300 N. Meridian
Street, Indianapolis, IN 46204, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203774 A2-A3 20020117 (WO 0203774)

Application: WO 2001US21658 20010710 (PCT/WO US0121658)

Priority Application: US 2000614521 20000712

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English
Fulltext Word Count: 13404

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description
Claims

Detailed Description

... through the persistent control software; and receiving
10
external event information and the persistent control **determining**
whether the external event **information** is relevant to said **time**
sensitive **securities** data.

Further aspects of the present invention involve the workstation further
including object manager software...

Claim

... except through the persistent control software, and receiving external
event information and the
persistent control **determining** whether the external event **information**
is
relevant to said **time** sensitive **securities** data.

10 The method of Claim 9 characterized by the step of maintaining
a database...

...except through the persistent control software, and
receiving external event information and the persistent control
determining whether the external event **information** is relevant to said
time sensitive **securities** data.

15 The machine-readable program storage device of Claim 14
wherein said method is...

14/3,K/24 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00866291

APPARATUS AND METHOD FOR DISPLAYING TRADING TRENDS

APPAREIL ET PROCEDE PERMETTANT D'AFFICHER LES TENDANCES D'UNE NEGOCIATION

Patent Applicant/Assignee:

STOCK DECISION SOFTWARE CO INC, 5010 Addison Circle, Addison, TX 75201,
US, US (Residence), US (Nationality)

Inventor(s):

THOMPSON George W, 1708 Suttersmill Drive, Carrollton, TX 75007, US,

Legal Representative:

CHALKER Daniel J (et al) (agent), Gardere Wynne Sewell LLP, Suite 3000,
1601 Elm Street, Dallas, TX 75201, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200199015 A2 20011227 (WO 0199015)

Application: WO 2001US19838 20010622 (PCT/WO US0119838)

Priority Application: US 2000213576 20000622

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9583

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... receives an opening value and a closing value for the investment for two or more **time** intervals from the **market information** source, **calculates** an opening value trend using a market trend indicator and the opening values for the...

Claim

... receiving an opening value and a closing value for the investment for two or more **time** intervals from the **market information** source, **calculating** an opening value trend using a market trend indicator and the opening values for the...

14/3,K/25 (Item 17 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00865421. **Image available**

METHOD AND SYSTEM FOR SUPPLIER RELATIONSHIP MANAGEMENT

PROCEDE ET SYSTEME DE GESTION DES RELATIONS FOURNISSEURS

Patent Applicant/Assignee:

EVENTRA INC, 440 Wheeler Farm Road, Milford, CT 06460, US, US (Residence)
, US (Nationality)

Inventor(s):

LINDOERFER Paul, 341 Housatonic Drive, Milford, CT 06460, US,
SAWABINI Stuart, 163 Oenoke Lane, New Canaan, CT 06840-4520, US,

Legal Representative:

MARCOU George T (agent), Kilpatrick Stockton LLP, Suite 900, 607
Thirteenth Street, N.W., Washington, DC 20005, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200199018 A1 20011227 (WO 0199018)

Application: WO 2001US20011 20010622 (PCT/WO US0120011)

Priority Application: US 2000213324 20000622; US 2000250507 20001204

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 21711

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... facilities. The inventory visibility feature provides the supplier with the data required to maintain safety **stock** quantities, forecast and plan production, **quickly respond** to pull triggers, and **determine** the appropriate time to invoice for consumed goods. Each plant/facility will provide inventory quantity...

14/3,K/26 (Item 18 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00858338

LATENCY MONITOR

PROCEDE ET SYSTEME DESTINE A AFFICHER LE DELAIS D'ATTENTE

Patent Applicant/Assignee:

TRADESCAPE TECHNOLOGIES L L C, 31st Floor, 135 East 57th Street, New York, NY 10022, US, US (Residence), US (Nationality)

Inventor(s):

BUNDY Michael, 22422 Cove Hollow, Katy, TX 77450, US,

Legal Representative:

BIGGERS John R (agent), Arnold & Associates, Suite 800, 2603 Augusta Drive, Houston, TX 77057, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200191000 A2 20011129 (WO 0191000)

Application: WO 2001US16083 20010517 (PCT/WO US0116083)

Priority Application: US 2000574595 20000519

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5834

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... price. For sell orders, the inside price is the highest bid price.

"Latency" means a **measure** of the **speed** with which **markets respond** to orders and cancellations. Latency in many embodiments of the invention is determined as the...Figure 2, latency is implemented as an instant latency (202). The instant latency (202) is **calculated** (204) dependent upon one recorded **time** (120) when one **message** is sent to a **market** and one recorded time (122) when a corresponding response is received from the market.

In...7. the processor (618) is programmed to calculate (626) latency as an instant latency (702) **calculated** dependent upon one recorded **time** (632)

when one **message** is sent to a **market** and one recorded time (634) when

a
corresponding response is received from the market.

Ih...

Claim

... a port.

3 The method of claim 1 wherein the latency comprises an instant latency **calculated** dependent upon one recorded **time** when one **message** is sent to a **market** and one recorded time when a corresponding response is received from the market.

4 The...

...upon at least one recorded time when at least one message is sent to the **market** and at least one recorded **time** when a corresponding **response** is **received** from the market, wherein the **calculating** uses the latest recorded **time** when a **message** is sent to the **market** and the latest recorded time when a corresponding response is received from the market, and...

...claim 9 wherein the processor is further programmed to calculate latency as an instant latency **calculated** dependent upon one recorded **time** when one **message** is sent to a **market** and one recorded time when a corresponding response is received from the market.

12 The...

14/3,K/27 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00858317

SOLUTIONS SERVER

SERVEUR DE SOLUTIONS

Patent Applicant/Assignee:

TRADESCAPE TECHNOLOGIES L L C, 31st Floor, 135 East 57th Street, New York, NY 10022, US, US (Residence), US (Nationality)

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BUNDY Michael, 22422 Cove Hollow, Katy, TX 77450, US,

GOLDFELD Vladimir, Apartment D, 110 Bennett Avenue, New York, NY 10033, US,

PRAGER Randy, 1 Astor Place, PHB, New York, NY 10003, US,

Legal Representative:

BIGGERS John R (agent), Arnold & Associates, 2603 Augusta Drive, Suite 800, Houston, TX 77057, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200190925 A2 20011129 (WO 0190925)

Application: WO 2001US17137 20010524 (PCT/WO US0117137)

Priority Application: US 2000578947 20000525

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 20692

Main International Patent Class: G06F-017/00

Fulltext Availability:

Detailed Description

Detailed Description

... price. For sell orders, the inside price is the highest bid price.

'Tatency" means a **measure** of the **speed** with which **markets** **respond** to orders and cancellations. Latency in many embodiments of the invention is detennined as the...

14/3,K/28 (Item 20 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00846766 **Image available**

A SYSTEM AND METHOD FOR FINDING AND MATCHING TRANSACTION COUNTER PARTIES IN LESS LIQUID MARKETS

SYSTEME ET PROCEDE POUR TROUVER ET METTRE EN RELATION DES CONTREPARTIES POUR DES TRANSACTIONS SUR DES MARCHES DE MOINDRE LIQUIDITE

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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SCUTT Peter D, 354 Broom Street, Apt. 6C, New York, NY 10013, US,

HOLMES Hubert B, 28 Bloomer Road, Ridgefield, CT 06877, US,

Legal Representative:

BOSWELL Mary Jane (agent), Morgan, Lewis & Bockius LLP, 1800 M Street, N.W., Washington, DC 20036-5869, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200180539 A2 20011025 (WO 0180539)

Application: WO 2001US12232 20010416 (PCT/WO US0112232)

Priority Application: US 2000550075 20000414

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8816

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... significant improvement in accuracy over the prior art. System 300 would also include, in personalized **messages** regarding an order, a real- **time estimate** of fair value the **security**, which is the subject of the order. System 300 also produces extensive risk management data...

14/3,K/29 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00842051 **Image available**

SYSTEM AND METHOD FOR PROVIDING SECURE RETIREMENT BENEFITS VIA A CONVERSION PROCESS

SYSTEME ET METHODE PERMETTANT D'OFFRIR DE VERSER DES PRESTATIONS RETRAITE SURES GRACE A UN PROCESSUS DE CONVERSION

Patent Applicant/Assignee:

GOLDEN RETIREMENT RESOURCES LLC, 15 Broad Street, 19th Floor, New York, NY 10005, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GOLDEN Jerome S, 25 Kensington Road, Scarsdale, NY 10583, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SOFER Joseph (et al) (agent), Sofer & Haroun, LLP, Suite 1921, 342 Madison Avenue, New York, NY 10173, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200175742 A1 20011011 (WO 0175742)

Application: WO 2001US10690 20010403 (PCT/WO US0110690)

Priority Application: US 2000541197 20000403

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 15652

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... the benefits acquired by the client, which are purchased or funded via the system. This **information** is stored every **time** valuation of benefit component 123 **calculates** the **market** value of the various benefit vehicles that forin a client's benefit account.

As mentioned...

14/3,K/30 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00836813

COMPUTER AUCTION SYSTEM WITH DYNAMIC PRICING
SYSTEME INFORMATIQUE DE VENTE AUX ENCHERES COMPRENANT LA FIXATION DYNAMIQUE
DES PRIX

Patent Applicant/Assignee:

KNEXA COM ENTERPRISES INC, 3rd Floor, 322 Water Street, Vancouver,
British Columbia V6B 1B6, CA, CA (Residence), CA (Nationality), (For
all designated states except: US)

Patent Applicant/Inventor:

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CHEPIL Douglas G, 477 Christleton Avenue, Kelowna, British Columbia V1Y
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HAWTREE Stephen C, 2400 Longhill Road, Kelowna, British Columbia V1V 2G3,
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Legal Representative:

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Street, Vancouver, British Columbia V6C 2Z7, CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200169461 A2 20010920 (WO 0169461)

Application: WO 2001CA341 20010316 (PCT/WO CA0100341)

Priority Application: CA 2300751 20000316

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4192

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... Parameter is not met within 7 days.

Together, the number of bids made and the **time** frame in which they are
received represents a **measure** of the level of **market** activity.

(iii) Drop Ask Field: This field corresponds to the predetermined amount
by which the...

14/3,K/31 (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00828877

APPARATUS AND METHOD FOR AUTOMATED SELECTION OF MARKETS AND ROUTING TO
MARKETS OF ORDERS FOR SECURITIES

APPAREIL ET PROCEDURE PERMETTANT DE SELECTIONNER DES MARCHES ET D'ACHEMINER
DES ORDRES CONCERNANT DES TITRES A DES MARCHES, DE MANIERE INFORMATISEE

Patent Applicant/Assignee:

TRADESCAPE TECHNOLOGIES L L C, 31st Floor, 135 East 57th Street, New
York, NY 10022, US, US (Residence), US (Nationality)

Inventor(s):

AMANAT Irfan, Apartment 12, 200 East 94th Street, New York, NY 10128, US,

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BUNDY Michael, 22422 Cove Hollow, Katy, TX 77450, US,

WRIGHT Peter, 11 Pfizer Drive, Gladstone, NJ 07934, US,

Legal Representative:

BIGGERS John (agent), Arnold & Associates, Suite 800, 2603 Augusta,

Houston, TX 77057, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200161534 A2 20010823 (WO 0161534)

Application: WO 2001US3925 20010207 (PCT/WO US0103925)

Priority Application: US 2000183261 20000217; US 2000514868 20000228

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 28146

Main International Patent Class: G06F-017/00

Fulltext Availability:

Detailed Description

Detailed Description

... cancel" in which an order is terminated by action of the customer.

"Latency" means a **measure** of the **speed** with which the **markets respond** to orders and cancellations. Latency in most embodiments of the invention can be determined as...in which latency (2404) is associated with markets identified by MMIDs (2402):

Latency is a **measure** of the **speed** with which **markets respond** to orders. An example of a measure of latency is the difference between the time...

14/3,K/32 (Item 24 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00818662 **Image available**

METHOD AND APPARATUS FOR MANAGING AND OPTIMIZING STOCK OPTIONS

PROCEDE ET APPAREIL DE GESTION ET D'OPTIMISATION D'OPTIONS D'ACHAT D'ACTIONS

Patent Applicant/Assignee:

OPTIONWEALTH INC, Suite 240, 1395 Piccard Drive, Rockville, MD 20852, US,

US (Residence), US (Nationality), (For all designated states except:

US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SCHAFFER David R (et al) (agent), Diller, Ramik & Wight, Suite 101, 7345

McWhorter Place, Annandale, VA 22003, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200152169 A1 20010719 (WO 0152169)
Application: WO 2001US945 20010116 (PCT/WO US0100945)
Priority Application: US 2000176032 20000114
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14787

Main International Patent Class: G06F-017/60

Fulltext Availability:
Claims

Claim

... of the company associated with the stock;
receive an historical returns period selection for the **stock** ;
35
receive a **time** period for which to **calculate** the forecast;
receive at least one estimated future price for the stock;
1 0 receive...of the company associated with the stock;
receive an historical returns period selection for the **stock** ;
receive a **time** period for which to **calculate** the forecast;
42
receive at least one estimated future price for the stock;
receive a...

14/3,K/33 (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00814140

**A METHOD FOR A VIRTUAL TRADE FINANCIAL FRAMEWORK
PROCEDE DESTINE A UN SCHEMA FINANCIER DE COMMERCE VIRTUEL**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

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Selangor, MY,
NG William, 101 Whampoa Drive #15-176, Singapore, SG,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200146846 A2 20010628 (WO 0146846)
Application: WO 2000US35429 20001222 (PCT/WO US0035429)
Priority Application: US 99470030 19991222; US 99470041 19991222; US
99470044 19991222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 106212

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... of a fully isolated client/server system, and therefore warrant a larger team with broader **responsibilities** and greater influence.

More details about the **Security** Management team, and other security aspects can be found in the Security in eCommerce Executive...

14/3,K/34 (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAINE D'APPROVISIONNEMENT RESEAUTEE, ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

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2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139086 A2 20010531 (WO 0139086)

Application: WO 2000US32310 20001122 (PCT/WO US0032310)

Priority Application: US 99444653 19991122; US 99447623 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 156214

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... in a special notification spool directory.

Notification Actor 4626 - A custom provided sub-component which

determines the alert time , source node, and alert type from the loaded spooled job and initiates notification actions based...

14/3,K/35 (Item 27 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK

DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 171499

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... exceeding their budget.

The central management unit may further include a supplier selecting process for **calculating** a total cost of previously **received** order for each of the suppliers based on the order history information and the order...

14/3,K/36 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00806383

COLLABORATIVE CAPACITY PLANNING AND REVERSE INVENTORY MANAGEMENT DURING DEMAND AND SUPPLY PLANNING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF

PLANIFICATION EN COLLABORATION DES CAPACITES ET GESTION ANTICIPEE DES STOCKS LORS DE LA PLANIFICATION DE L'OFFRE ET DE LA DEMANDE DANS UN

**ENVIRONNEMENT DE CHAÎNE D'APPROVISIONNEMENT FONDÉE SUR LE RÉSEAU ET
PROCÉDE ASSOCIÉ**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill
Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139029 A2 20010531 (WO 0139029)

Application: WO 2000US32309 20001122 (PCT/WO US0032309)

Priority Application: US 99444655 19991122; US 99444886 19991122

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL

TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 157840

Main International Patent Class: **G06F-017/60**

14/3,K/37 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00806382

**METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A
MARKET SPACE INTERFACE**

**PROCÉDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHÉ ENTRE UNE
PLURALITÉ DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHÉ**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 1400
Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK

LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK

SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 170977

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... a number of associated benefits. Illustrative benefits associated with revenue enhancement 402 include: (a) faster **time** to site integration; (b) better on-line network performance; (c) rapid integration of acquisition...point-to-point demand in accordance with projected customer demand over a selected multi-period **time** interval.

SONET is both a standard and a set of specifications for building high speed...

14/3,K/38 (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00796226 **Image available**

SECURED LENDING TRANSACTION PROCESSING AND MANAGEMENT SYSTEM
SYSTEME DE TRAITEMENT ET DE GESTION DE TRANSACTIONS SECURISEES DE PRET

Patent Applicant/Assignee:

PROVALENT INC, 3500 DePauw Boulevard, Suite 2100, Indianapolis, IN 46268,
US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

PATON Michael G, 10850 Independence Way, Carmel, IN 46032, US, US
(Residence), US (Nationality), (Designated only for: US)
WYNNE Robert S, 7250 Hull Road, Zionsville, IN 46077, US, US (Residence),
US (Nationality), (Designated only for: US)

Legal Representative:

CONARD Richard D (agent), Barnes & Thornburg, 11 South Meridian Street,
Indianapolis, IN 46204, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200129735 A1 20010426 (WO 0129735)
Application: WO 2000US28991 20001020 (PCT/WO US0028991)
Priority Application: US 99160599 19991020; US 99455876 19991206

Parent Application/Grant:

Related by Continuation to: US 99455876 19991206 (CIP)

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 29487

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... data base in the LienGuard System for each state that includes the exact period of **time** the food **security** act notice is **effective** . The LienGuard System **measures** . the **effective time** of a food **security** act notice from the date the notice is sent (i.e., the date the notice...

14/3,K/39 (Item 31 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00786021

**SYSTEM AND METHOD FOR THE SYNCHRONIZATION AND DISTRIBUTION OF TELEPHONY
TIMING INFORMATION IN A CABLE MODEM NETWORK
SYSTEME ET PROCEDE DESTINE A LA SYNCHRONISATION ET A LA DISTRIBUTION
D'INFORMATIONS DE SYNCHRONISATION TELEPHONIQUES SUR UN RESEAU MODEM
CABLE**

Patent Applicant/Assignee:

BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

RABENKO Theodore F, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (Designated only for: US)

DENNEY Lisa V, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GELFOUND Craig A (agent), Christie, Parker & Hale, LLP, P.O. Box 7068,
Pasadena, CA 91109-7068, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200119005 A1 20010315 (WO 0119005)

Application: WO 2000US24405 20000905 (PCT/WO US0024405)

Priority Application: US 99152254 19990903

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 112078

...International Patent Class: **H04L-012/28**

Fulltext Availability:

Detailed Description

Detailed Description

... authentication mode, the control fields of the received data packets are parsed, the parameters are **determined** via a **security** association lookup table, control message is created and the control and data messages are enqueued...

14/3,K/40 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00781959 **Image available**

APPARATUS AND METHOD FOR PROVIDING FINANCIAL INFORMATION AND/OR INVESTMENT

INFORMATION

**PROCEDE ET DISPOSITIF DE FOURNITURE D'INFORMATIONS SUR LES FINANCES ET/OU
LES INVESTISSEMENTS**

Patent Applicant/Inventor:

JOAO Raymond Anthony, 122 Bellevue Place, Yonkers, NY 10703, US, US
(Residence), US (Nationality)

Legal Representative:

JOAO Raymond Anthony (agent), 122 Bellevue Place, Yonkers, NY 10703, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200115093 A2-A3 20010301 (WO 0115093)

Application: WO 2000US23074 20000823 (PCT/WO US0023074)

Priority Application: US 99150410 19990824

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 22868

Main International Patent Class: **G06F-017/00**

Fulltext Availability:

Detailed Description

Detailed Description

... fundamental measure or ration

of the security of the corresponding security issuer or

5 company, **market** capitalization information, **market** value

measures and **information**, profitability **measures** **information**,

quick ratio **information**, short-term solvency **measures** and

information, book value information, dividend yield

information, stock price information compiled by and for...

14/3,K/41 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00779692 **Image available**

SYSTEM AND METHOD FOR TRANSMITTING DATA CONTENT IN A COMPUTER NETWORK

**SYSTEME ET PROCEDE DE TRANSMISSION DE CONTENU D'INFORMATION DANS UN RESEAU
INFORMATIQUE**

Patent Applicant/Assignee:

HIDDENMIND TECHNOLOGY INC, One Hannover Square, Suite 1050, 420

Fayetteville Street Mall, Raleigh, NC 27601, US, US (Residence), US

(Nationality)

Inventor(s):

TYRA Kristopher L, 4320 Cotton Mill Drive #304, Raleigh, NC 27612, US,

GAINEY Grant Robert, 4809 Stone Hill Drive, Raleigh, NC 27609, US,

ZIMMERMAN David Perry, 916 Riderwood Court, Willow Spring, NC 27593, US,

FLOESS Scot Peter, 27 Lake Royale, Louisburg, NC 27549, US,

Legal Representative:

DOYLE Scott W (et al) (agent), Dorsey & Whitney LLP, Suite 4400, 370

Seventeenth Street, Denver, CO 80202-5644, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200113271 A1 20010222 (WO 0113271)

Application: WO 99US21548 19990917 (PCT/WO US9921548)
Priority Application: US 99374160 19990813
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14160

Main International Patent Class: G06F-017/30
Fulltext Availability:
Detailed Description

Detailed Description

... user typically must repeatedly access the information to obtain the current price, or obtain real time information concerning the stock price, and determine therefrom when an increase of five percent occurs. Likewise, if the user desires to sell...

14/3,K/42 (Item 34 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00774517 **Image available**

FINANCIAL PRODUCTS HAVING DEMAND-BASED, ADJUSTABLE RETURNS, AND TRADING EXCHANGE THEREFOR

PRODUITS FINANCIERS AYANT DES RECETTES AJUSTABLES, FONCTION DE LA DEMANDE, ET ECHANGES COMMERCIAUX CORRESPONDANT

Patent Applicant/Assignee:

LONGITUDE INC, 650 Fifth Avenue, New York, NY 10019-6018, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

LANGE Jeffrey, 3 East 84th Street, Apt. 3, New York, NY 10028, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

BERMAN Paul J (agent), Covington & Burling, 1201 Pennsylvania Avenue, N.W., P.O. Box 7566, Washington, DC 20044-7566, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200108063 A1 20010201 (WO 0108063)

Application: WO 2000US19447 20000718 (PCT/WO US0019447)

Priority Application: US 99144890 19990721; US 99448822 19991124

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 62845

Main International Patent Class: G06F-017/60

Fulltext Availability:
Claims

Claim

... frequent calculation of returns and to ascertain the outcomes during the observation periods.
(g) Real- **Time** Calculation Engine Server: Frequent **calculation** of **market** returns may increase the **efficient** functioning of the **market**. Data on coupons, dividends, **market** interest rates, spot prices, and other **market** data can be used to calculate opening returns at the beginning of a trading period...

14/3,K/43 (Item 35 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00767969 **Image available**

SECURE USER IDENTIFICATION BASED ON RING HOMOMORPHISMS
IDENTIFICATION SURE D'UTILISATEUR SUR LA BASE D'HOMOMORPHISMES EN ANNEAU

Patent Applicant/Assignee:

NTRU CRYPTOSYSTEMS INC, 5 Burlington Woods, Burlington, MA 01803, US, US
(Residence), US (Nationality)

Inventor(s):

HOFFSTEIN Jeffrey, 3 Leicester Way, Pawtucket, RI 02860, US,
SILVERMAN Joseph H, 57 North Hill Avenue, Needham, MA 02192, US,
LIEMAN Daniel, 32 Albany Drive, Colombia, MO 65201, US,

Legal Representative:

NOVACK Martin (agent), Building 1, 1960 Bronson Road, Fairfield, CT 06430
, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200101625 A1 20010104 (WO 0101625)
Application: WO 2000US12025 20000503 (PCT/WO US0012025)
Priority Application: US 99132199 19990503

Designated States: AU CA CN IL JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 31366

Main International Patent Class: **H04L-009/00**

International Patent Class: **H04L-009/30**

Fulltext Availability:

Detailed Description

Detailed Description

... a sufficiently long transcript of auihen- both the prover and the verifier. To illustrate the **speed** ticalions. Conservative **estimates** suggest that the pa- and **efficiency** of PASS we wrote a straightforward nonrarricters proposed pratfide high levels of **security** for tran- optimized test program in C. We ran this on a 330 MHz scripts...

14/3,K/44 (Item 36 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00761432

METHODS, CONCEPTS AND TECHNOLOGY FOR DYNAMIC COMPARISON OF PRODUCT FEATURES
AND CUSTOMER PROFILE

PROCEDES, CONCEPTS ET TECHNIQUE DE COMPARAISON DYNAMIQUE DE
CARACTERISTIQUES D'UN PRODUIT ET DU PROFIL DES CONSOMMATEURS

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 100 South Wacker Drive, Chicago, IL 60606, US,
US (Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US

MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US

BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US

Legal Representative:

BRUESS Steven C, Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN
55402-0903, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073958 A2 20001207 (WO 0073958)

Application: WO 2000US14459 20000524 (PCT/WO US0014459)

Priority Application: US 99320818 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 151011

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... range of security-based hardware and software that offers Suite 1.9
packet filtering, encryption, **security** administration, virtual private
network and access restriction. The Product4 Product Suite includes
the following components...

14/3,K/45 (Item 37 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00761431

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PROVIDING COMMERCE-RELATED
WEB APPLICATION SERVICES

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE DE
SERVICES D'APPLICATION DANS LE WEB LIES AU COMMERCE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,

MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,

BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073957 A2-A3 20001207 (WO 0073957)
Application: WO 2000US14420 20000525 (PCT/WO US0014420)
Priority Application: US 99321492 19990527

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY
CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT
LU LV MA MD MG MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150171

Main International Patent Class: G06F-017/30

International Patent Class: G06F-017/60 ...

... G06F-009/44

Fulltext Availability:

Detailed Description

Detailed Description

... selection.

c) What are the current and proposed future platforms?

3 5 The Engagement team should **determine** whether the repository must support multiple platforms. The selected tool should not only support current...

14/3,K/46 (Item 38 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00761430 **Image available**

SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING PRIORITY INFORMATION
CONCERNING COMPONENTS OF A SYSTEM

SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE CLASSER PAR ORDRE DE
PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU NECESSAIRES A LA MISE
EN OEUVRE D'UNE TECHNIQUE

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 100 South Wacker Drive, Chicago, IL 60606, US,
US (Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073956 A2-A3 20001207 (WO 0073956)
Application: WO 2000US14406 20000524 (PCT/WO US0014406)
Priority Application: US 99321274 19990527

Designated States: AE AG AL AM AT (utility model) AU AZ BA BB BG BR BY CA
CH CN CR CU CZ (utility model) DE (utility model) DK (utility model) DM
DZ EE (utility model) ES FI (utility model) GB GD GE GH GM HR HU ID IL IN

IS JP KE KG KP KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN
MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK (utility model) SL TJ TM TR TT
TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149024

Main International Patent Class: G06F-017/60

14/3,K/47 (Item 39 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00761429

METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF
ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE
BASED ON SUCH ASSESSED NEEDS

PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE
D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN
SERVICE SUR LA BASE DE CES BESOINS

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US

(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,

MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,

BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,

Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073955 A2 20001207 (WO 0073955)

Application: WO 2000US14357 20000524 (PCT/WO US0014357)

Priority Application: US 99321495 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE

DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC

LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI

SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 148469

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... as appropriate.

Administration (1326)

Billing and Accounting

Billing & Accounting gathers the necessary accounting information for **calculating** actual costs, determines chargeback costs based on pre-defined algorithms and bills users for service...

14/3,K/48 (Item 40 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00761424

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073930 A2 20001207 (WO 0073930)

Application: WO 2000US14458 20000524 (PCT/WO US0014458)

Priority Application: US 99321360 19990527

Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY
CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility
model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH
GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK
(utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149456

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... showing the responsibilities of an Environmental
Management Team;

Figure 5 is an illustration showing the **responsibilities** of an
Application Team
structure;

Figure 6 is an illustration showing a model migration plan...

14/3,K/49 (Item 41 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00737987 **Image available**

GLOBALLY TIME-SYNCHRONIZED SYSTEMS, DEVICES AND METHODS
SYSTEMES GLOBALEMENT SYNCHRONISES DANS LE TEMPS

Patent Applicant/Assignee:

REVEO INC, 85 Executive Boulevard, Elmsford, NY 10523, US, US (Residence)
, US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

FARIS Sadeg M, 24 Pocantico River Road, Pleasantville, NY 10570, US, US
(Residence), US (Nationality), (Designated only for: US)

HAMLIN Gregory J, 33 Church Street, Presque Isle, ME 04769, US, US
(Residence), US (Nationality), (Designated only for: US)

FLANNERY James P, 30 Williams Street, New City, NY 10965, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

PERKOWSKI Thomas J (agent), Soundview Plaza, 1266 East Main Street,
Stamford, CT 06902, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200050974 A2-A3 20000831 (WO 0050974)

Application: WO 2000US5093 20000228 (PCT/WO US0005093)

Priority Application: US 99258573 19990226; US 2000513601 20000225

Parent Application/Grant:

Related by Continuation to: US Not furnished (CIP)

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ

TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 80968

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Claims

Claim

... receipt of the response notification hash by the
game server 150 can serve as an **estimate** of the actual **response time**
for

later **security** verification.

As indicated at Block D in FIG. 4F3, the game server 1750 requests the...
an encryption mechanism

for digitally signing data in order to provide a secure and verifiable
time

stamp on each **response** from each competitor. This **security measure**
may

be compromised in only two ways: (1) by physically dissecting the GSU and
extracting the...

14/3,K/50 (Item 42 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00733746 **Image available**

METHOD FOR MAINTAINING AN INVENTORY

METHODE DE TENUE A JOUR DE STOCK

Patent Applicant/Inventor:

WINQVIST Mika, Lauttasaarentie 9 A 9, FIN-00200 Helsinki, FI, FI
(Residence), FI (Nationality)
Legal Representative:
PATENT AGENCY COMPATENT LTD, Pitkansillanranta 3 B, FIN-00530 Helsinki,
FI
Patent and Priority Information (Country, Number, Date):
Patent: WO 200046733 A1 20000810 (WO 0046733)
Application: WO 2000FI81 20000204 (PCT/WO FI0000081)
Priority Application: FI 99221 19990205
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 10482

Main International Patent Class: G06F-153/00
International Patent Class: G06F-019/00
Fulltext Availability:
Claims

Claim

... 713
BASED SAFETY STOCK
CALCULATING QUANTITY CALCULATING LEAD TIME
BASED SAFETY STOCK 7112
@@ BASED SAFETY **TIME**
CORRECTING SAFETY 717
CORRECTING SAFETY **STOCK** VALUE CORRECTING SAFETY
STOCK VALUE + 715-@c> **TIME** VALUE
714 **CALCULATING** EFFECTIVE * /@ 718
SAFETY **STOCK** CONVERTING TO
LEAD **TIME** BASED
SAFETY **STOCK**
ORDER QUANTITY LAST ITEM 7
SAFETY STOCK
SAFETY TIME 716 NEXT ITEM
RECEIPT DATE
/7...

14/3,K/51 (Item 43 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00563387 **Image available**
METHOD, SYSTEM AND APPARATUS USING A SENSORY CUE TO INDICATE SUBSEQUENT
ACTION CHARACTERISTICS FOR DATA COMMUNICATIONS
PROCEDE, SYSTEME, ET APPAREIL UTILISANT UN REPERE SENSORIEL POUR INDIQUER
LES CARACTERISTIQUES D'UNE OPERATION SUIVANTE DE COMMUNICATION DE
DONNEES

Patent Applicant/Assignee:
3COM CORPORATION,
Inventor(s):
LINCKE Scott D,

MARIANETTI Ronald II,
SIPHER Joseph K,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200026760 A1 20000511 (WO 0026760)
Application: WO 99US25034 19991026 (PCT/WO US9925034)
Priority Application: US 98182945 19981029
Designated States: CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE
Publication Language: English
Fulltext Word Count: 59725
Main International Patent Class: G06F-003/14
International Patent Class: G06F-015/163
Fulltext Availability:
Detailed Description

Detailed Description

... of subsequent action characteristics prior to initiating an action enables a user to evaluate cost, **security**, **time**, network **speed**, and data communications **message** size limitations when **determining** whether to initiate the subsequent action. Methods of informing users of these characteristics known in... Subsequent action characteristics can relate to the mode of transmission, the network type, data communication **security measures**, the maximum **message** size, associated cost, or the **speed** of the network.

Data can be transmitted wirelessly, using a wireline connection, or within the...

14/3,K/52 (Item 44 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00545208 **Image available**

DYNAMIC FLOW-THROUGH CONTEXT SWITCHING OF INVESTMENT DATA INTO MULTIPLE INVESTMENT TOOLS
COMMUTATION DE DONNEES D'INVESTISSEMENT DANS DES INSTRUMENTS D'INVESTISSEMENT MULTIPLES AVEC CONTEXTE DYNAMIQUE A DEBIT ELEVE

Patent Applicant/Assignee:
HARVEST TECHNOLOGY INC,

Inventor(s):
MASON Roderick K V,
CHOY Hanford C,
DIRIK Akin,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008581 A1 20000217 (WO 0008581)
Application: WO 99US17644 19990803 (PCT/WO US9917644)
Priority Application: US 98128273 19980803

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 20143

Main International Patent Class: G06F-017/60
Fulltext Availability:

Detailed Description

Detailed Description
... estimate tool.

The investment research software product uses as data sources real time and historical **security** prices, corporate financial **information**, such as **securities** filings, real **time** and historical news **information**, earning **estimates**, analyst's reports, and analyst's notes. These various data sources are all immediately available...

14/3,K/53 (Item 45 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00490969 **Image available**

COMPUTER MANAGEMENT SYSTEM
SYSTEME DE GESTION D'ORDINATEURS

Patent Applicant/Assignee:

EPITROPOS PTY LTD,
DEWAR Gregory John,

Inventor(s):

DEWAR Gregory John,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9922321 A1 19990506

Application: WO 98AU887 19981026 (PCT/WO AU9800887)

Priority Application: AU 979987 19971024; AU 982078 19980302

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA
GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5764

Main International Patent Class: **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... present invention has import facility for importing relevant information from the accounting package.

As a **security measure**, the **information** entered for the **time sheet** entry and/or for outside consultant services must be authorised by a person with...

14/3,K/54 (Item 46 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00483529

CRYPTOGRAPHIC CO-PROCESSOR
COPROCESSEUR CRYPTOGRAPHIQUE

Patent Applicant/Assignee:

INFORMATION RESOURCE ENGINEERING INC,
KAPLAN Michael M,

DOUD Robert Walker,
KAVSAN Bronislav,
OBER Timothy,
REED Peter,

Inventor(s):

KAPLAN Michael M,
DOUD Robert Walker,
KAVSAN Bronislav,
OBER Timothy,
REED Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9914881 A2 19990325
Application: WO 98US19316 19980916 (PCT/WO US9819316)
Priority Application: US 9759082 19970916; US 9759839 19970916; US
9759840 19970916; US 9759841 19970916; US 9759842 19970916; US 9759843
19970916; US 9759844 19970916; US 9759845 19970916; US 9759846 19970916
; US 9759847 19970916

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 95649

Main International Patent Class: H04L-009/06

Fulltext Availability:

Detailed Description

Detailed Description

... is

responsible for maintaining the security of the internal cryptographic
software, key material, and associated **security** devices.

Like other operating systems, the CGX Command Processor is **responsible**
for **time** -sharing the **security** resources. It does this through DSP
context management, preemption management, and system integrity
management.

DSP...

14/3,K/55 (Item 47 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00435899 **Image available**

AUTOMATED AUCTION PROTOCOL PROCESSOR

SYSTEME DE TRAITEMENT AUTOMATISE A PROTOCOLE D'ADJUDICATION

Patent Applicant/Assignee:

CANTOR FITZGERALD SECURITIES,

Inventor(s):

FRASER Stuart A,
LUTNICK Howard,
PAUL Bijoy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9826363 A1 19980618
Application: WO 97US22423 19971203 (PCT/WO US9722423)
Priority Application: US 96766733 19961213

Designated States: AL AU AZ BA BB BG BR CA CN CU CZ EE GE HU IL IS JP KP KR

LC LK LR LS LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 9952

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description

... the on-line market data is then transmitted to
the qualification processor, block 140, for **determination** for a real
time command selection. The **information** is then loaded into the
security database,
block 150, and then passed to the

14/3,K/56 (Item 48 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00350963 **Image available**

ELECTRONIC-MONETARY SYSTEM
SYSTEME MONETAIRE ELECTRONIQUE

Patent Applicant/Assignee:

CITIBANK N.A,

Inventor(s):

ROSEN Sholom S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9633476 A2 19961024

Application: WO 96US5521 19960419 (PCT/WO US9605521)

Priority Application: US 95427287 19950421

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ
BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 23754

International Patent Class: **G06F-17:60**
Fulltext Availability:
Claims

Claim

... of:

said electronic module sending its date and
time information to said security server;
said **security** server checking said date and
time information to **determine** if it is outside of an
acceptable predetermined parameter; and
time information is outside said...

14/3,K/57 (Item 49 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00344642

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
PROTECTION

SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION
ELECTRONIQUE DES DROITS

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC,

Inventor(s):

GINTER Karl L,
SHEAR Victor H,
SPAHN Francis J,
VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2 19960906

Application: WO 96US2303 19960213 (PCT/WO US9602303)

Priority Application: US 95388107 19950213

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL

PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY

KG KZ RU TJ TM AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF

CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 207972

Main International Patent Class: G06F-001/00

International Patent Class: G06F-17:60

Fulltext Availability:

Detailed Description

Detailed Description

... VDE installations and in a wide

variety of ways;

support low-cost, efficient, and effective **security**

architectures for transaction control, auditing,

reporting, and related communications and

information storage. VIDE may employ tagging

related **security** techniques, the **time**-ageing of

encryption keys, the compartmentalization of both

stored control information (including differentially

tagging such...employing a variety of different budgets and/or

- 78

metering increments for a given electronic

information deliverable for: billing units of **measure** ,

credit limit, **security** budget limit and security

content metering increments, and/or market

surveying and customer profiling content...

14/3,K/58 (Item 50 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00230198 **Image available**

PRODUCT INFORMATION SYSTEM FOR SHOPPERS

SYSTEME D'INFORMATION SUR LES PRODUITS A L'USAGE DES PERSONNES FAISANT
LEURS COURSES

Patent Applicant/Assignee:

DIGICOMP RESEARCH CORPORATION,

GUPTA Om P,

RICKETSON Robert C, .

BAILEY Jack F,

SHILEPSKY Carol C,
SHILEPSKY Arnold C,
CLINCH Marvin R,
Inventor(s):
GUPTA Om P,
RICKETSON Robert C,
BAILEY Jack F,
SHILEPSKY Carol C,
SHILEPSKY Arnold C,
CLINCH Marvin R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9304449 A1 19930304
Application: WO 92US6992 19920820 (PCT/WO US9206992)
Priority Application: US 91727 19910820; US 92100 19920504
Designated States: AT AU BB BG BR CA CH CS DE DK ES FI GB HU JP KP KR LK LU
MG MN MW NL NO PL RO RU SD SE US AT BE CH DE DK ES FR GB GR IE IT LU MC
NL SE BF BJ CF CG CI CM GA GN ML MR SN TD TG
Publication Language: English
Fulltext Word Count: 24515

International Patent Class: **G06F-15:24**
Fulltext Availability:
Detailed Description

Detailed Description
... not selling well.

It is a further object of the present invention to use real- time
market
information gleaned from each shopper's trip to **measure** advertising
effectiveness , to refine advertising, pricing, packaging and shelf
location strategies.

It is a further object of...

14/3,K/59 (Item 51 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00176175 **Image available**

RETAIL SHELF INVENTORY SYSTEM
SYSTEME D'INVENTAIRE DE RAYON DE VENTE AU DETAIL

Patent Applicant/Assignee:

A C NIELSEN COMPANY,

Inventor(s):

ROGERS Leonard Christopher Gordon,

KELLY Francis Patrick,

PULLIN Jacquelin Winifred,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9009638 A1 19900823

Application: WO 90US652 19900202 (PCT/WO US9000652)

Priority Application: US 89256 19890217

Designated States: AT AU BE BR CH DE DK ES FI FR GB IT JP KR LU NL NO SE

Publication Language: English

Fulltext Word Count: 9211

Main International Patent Class: **G06F-015/24**
Fulltext Availability:
Detailed Description

Claims

Detailed Description

... containing this
data)
for k := 0 to ndel-1 do
order-to[k] a lead
 time
sales[k] + target
 stock levcls(kj;
S. Lost sales
(Firstly, **calculate effective** tsl.)
x := 0.a,
k:= a,
for j :a 0 to ndel-1 do
begin...

Claim

... study period for each of said plurality of
inventory items and further comprising means for. **calculat**
ing an **effective** delivery **time** and means for **calculating** a
target **stock** level **responsive** to said **calculated effective**
delivery **time** and said shelf capacity for any of said
inventory items.

9. A retail shelf inventory...

Set	Items	Description
S1	10	AU=(AMANAT, I? OR AMANAT I? OR BUNDY M? OR BUNDY, M?)
S2	6616014	MEASUR? OR CALCULAT? OR DETERMIN? OR COMPUTE OR COMPUTES OR COMPUTING OR ESTIMAT?
S3	4620038	EFFECTIVE? OR EFFICIEN?
S4	62631	LATENT? OR LATENCY
S5	15459109	STOCK? ? OR BOND? ? OR SECURITY OR SECURITIES? OR MARKET?
	?	
S6	718984	(TIME OR SPEED OR QUICK?) (5N) (RECEIVE? OR RESPON? OR FEEDB- ACK? OR MESSAGE? OR INFORMATION)
S7	0	S1 AND S4
S8	156372	S2(5N) (S3 OR S4)
S9	1763	S8(S)S6
S10	167	S9(20N)S5
S11	117	S10 NOT PY>2000
S12	112	S11 NOT PD=200008221:20031006
S13	86	RD (unique items)
? show file		
File	9:Business & Industry(R)	Jul/1994-2003/Oct 03 (c) 2003 Resp. DB Svcs.
File	15:ABI/Inform(R)	1971-2003/Oct 04 (c) 2003 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2003/Oct 03 (c) 2003 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2003/Oct 06 (c)2003 The Gale Group
File	160:Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	275:Gale Group Computer DB(TM)	1983-2003/Oct 03 (c) 2003 The Gale Group
File	621:Gale Group New Prod. Annou.(R)	1985-2003/Oct 06 (c) 2003 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2003/Oct 03 (c) 2003 The Gale Group

13/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

2557695 Supplier Number: 02557695 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Expedia's Challenge
(Microsoft's Expedia online booking site had over \$250 mil in 1998 sales that are expected to rise to over \$750 mil in 1999)
Travel Agent, v 296, n 6, p 20+
August 16, 1999
DOCUMENT TYPE: Journal; Cover Story ISSN: 1053-9360 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2743

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...compared with traditional advertising is that the supplier is able to bring its product to **market** much more **quickly**, and get immediate **feedback** on the effectiveness of the ad. This point is not lost on Expedia. Says Barton...

13/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02412384 117542689
Collective entrepreneurship: the mobilization of college and university recycling coordinators
Lounsbury, Michael
Journal of Organizational Change Management v11n1 PP: 50 1998
ISSN: 0953-4814 JRNL CODE: ORC
WORD COUNT: 9698

...TEXT: scientific way to measure it."

But since recycling organizations such as CURC spend so much **time** and energy **responding** to societal rationalization pressures, little attention is directed towards the questioning of ends that **market** and industry forces define. CURC members, because of their location within the system of solid...

13/3,K/3 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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02275743 86922503
A method for measuring total value towards designing goods and services
Prasad, Biren
TQM Magazine v10n4 PP: 258 1998
ISSN: 0954-478X JRNL CODE: TQM
WORD COUNT: 9428

...TEXT: to their competitors. These measures are customer focused and are externally based. Examples include productivity, **responsiveness**, cost, **time** -to- **market**, quality content, etc. A value indicator represents a combined outcome of doing two major efforts...

13/3,K/4 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01995882 51005842

Avoiding the pitfalls of emerging technologies

Day, George S; Schoemaker, Paul J H
California Management Review v42n2 PP: 8-33 Winter 2000
ISSN: 0008-1256 JRNL CODE: CMR
WORD COUNT: 10997

...TEXT: the 1970s illustrates how customer benefits and functionalities can be used to develop estimates of **markets** for embryonic technologies.⁹ Managers based their estimates on the extent and frequency of urgent written **messages**, their **time** sensitivity, and the form and size of the message (e.g., number of pages, use...

... capability with the existing solutions (e.g., mail, voice, express delivery). Using this approach to **estimating** the **latent** demand for fax-type features-as opposed to studying responses to concept statements-Xerox foresaw a business **market** of approximately 1 million units. Unfortunately, Xerox chose the wrong technology path (pitfall 2), by ...

13/3,K/5 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01979267 48301275

Operating efficiencies in real estate: A critical review of the literature

Anderson, Randy I; Lewis, Danielle; Springer, Thomas M
Journal of Real Estate Literature v8n1 PP: 3-18 2000
ISSN: 0927-7544 JRNL CODE: JREL
WORD COUNT: 7168

...TEXT: provides anecdotal evidence to support this notion. The only X-efficiency study that finds the **market** relatively inefficient uses DEA, which has a single-error term, readily explaining the differences in **efficiency estimates**.

While the **efficiency** literature for real estate brokerage firms is beginning to evolve, it is still in its...

13/3,K/6 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01963454 46955579

Sustained spending and persistent response: A new look at long-term marketing profitability

Dekimpe, Marnik G; Hanssens, Dominique M
JMR, Journal of Marketing Research v36n4 PP: 397-412 Nov 1999
ISSN: 0022-2437 JRNL CODE: JMR

...ABSTRACT: spending are difficult to estimate. A study addresses this problem by examining the behavior of **market response** and marketing spending over **time** and identifies 4 common strategic scenarios: 1.

business as usual, 2. hysteresis in response, 3...

13/3,K/7 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01895951 05-46943

Managing emerging information systems in the public sector

Bajjal, Stephen T

Public Productivity & Management Review v23n1 PP: 40-47 Sep 1999

ISSN: 1044-8039 JRNL CODE: PBP

WORD COUNT: 3205

...TEXT: their information sharing with other agencies. Overall, only four of the performance measures-transaction processing **time**, document accuracy/integrity, level of **information** dissemination to outside groups, and level of internal information **security** -have been developed and are monitored systematically by more than one half of the agencies...

13/3,K/8 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01849456 05-00448

Flexibility, adaptability, and efficiency in manufacturing systems

Bordoloi, Sanjeev K; Cooper, William W; Matsuo, Hirofumi

Production & Operations Management v8n2 PP: 133-150 Summer 1999

ISSN: 1059-1478 JRNL CODE: POMS

WORD COUNT: 5186

...TEXT: Market flexibility is the ease with which the manufacturing system can adapt to a changing **market** environment.

The term "ease" is undefined, so one is not sure whether **efficiency** (e.g., as **measured** by cost or profit) is at issue or whether only the **time** to **respond** to **market** changes is being considered. Changes of state or changes within a state are also not...

13/3,K/9 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01846462 04-97453

Open outcry and electronic trading in futures exchanges

Tsang, Raymond

Bank of Canada Review PP: 21-39 Spring 1999

ISSN: 0045-1460 JRNL CODE: BCA

WORD COUNT: 5360

...TEXT: was overwhelmed and often failed to operate in the "preopening" period (the period before the **market** officially opens when the opening levels are determined), leading the exchange to open late on several occasions.

Market efficiency

A number of factors **determine** whether a futures **market** is **efficient**.

These include the **speed** with which **information** is priced into the futures contracts, the transparency of the price-discovery process,² and...

13/3,K/10 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01723578 03-74568

Working with developing companies in Eastern Europe

Grove, Peter

Management Accounting-London v76n9 PP: 54-55 Oct 1998

ISSN: 0025-1682 JRNL CODE: MAC

WORD COUNT: 1975

...TEXT: a particular material or component was needed than had originally been ordered (and held in **stock**), a further order would be made. No thought was given to using the numbers for **calculating** production **efficiency measures** . In a similar way,

13/3,K/11 (Item 10 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01669049 03-20039

Reducing the impacts of energy price volatility through dynamic portfolio selection

Humphreys, H Brett; McClain, Katherine T

Energy Journal v19n3 PP: 107-131 1998

ISSN: 0195-6574 JRNL CODE: ENJ

WORD COUNT: 5663

...TEXT: estimate these values. However, such a methodology requires the covariance matrix to remain constant over **time** , regardless of any new **information** which enters the **market** . Allowing the covariance matrix to be systematically updated over time as new events occur provides more realistic and **efficient estimates** . The generalized autoregressive conditional heteroskedasticity process (GARCH) introduced by Engle (1982) and Bollerslev (1986) allows...

13/3,K/12 (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01657726 03-08716

Securities fraud or mere puffery: Refinement of the corporate puffery defense

Roussel, R Gregory

Vanderbilt Law Review v51n4 PP: 1049-1092 May 1998

ISSN: 0042-2533 JRNL CODE: AVLR

WORD COUNT: 23740

...TEXT: 539, 548 (D. Mass. 1997) ("A simple test of materiality in a fraud-on-the-**market** case is whether the alleged misrepresentation in fact affected the **market** ."). Arguably, the most **efficient** method of **determining** materiality would be to determine, as scientifically as possible, whether the **market** actually relied on the language in question. Some commentators have argued that the use of...

... application. See id. at 1042-44 (describing the difficulty in determining when information reached the **market**); see also id. at 1029 (describing how other firm-specific **information** released at about the same **time** , i.e., confounding events, would corrupt the study). Furthermore, while the test is relatively simple...

13/3,K/13 (Item 12 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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01628417 02-79406

Irish event studies: Earnings announcements, turn of the year and size effects

Cotter, John

IBAR v18 PP: 34-51 1997

ISSN: 0332-1118 JRNL CODE: IRB

WORD COUNT: 4906

...TEXT: of the most fertile research fields.² Their implications for the presence or absence of **market** efficiency adding to their interest. The relative **speed** of price **response** which is the central issue of **market efficiency** can be precisely **measured** by daily data. Furthermore, the joint hypothesis problem, that **market** efficiency must be tested jointly with an asset pricing model, is eliminated or at least...

13/3,K/14 (Item 13 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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01552488 02-03477

Balancing the scorecard: Beyond the bottom line

James, Wendy; Hoque, Zahirul

Australian Accountant v67n10 PP: 46-47 Nov 1997

ISSN: 0004-8631 JRNL CODE: AAA

WORD COUNT: 1242

...TEXT: profitability measures such as, cash flow, quarterly sales growth and operating income by division, increased **market** share, and return on equity

the customer perspective that encompasses such measures as, **market** share, customer **response time** , on **time** performance, product reliability, percent of sales from new products, percent of sales from established products...

... such things as number of new patents, number of new product launches, process time to **market** , time taken to develop 'next generation' products the internal business perspective, which focuses on quality, time and **efficiency measures** : these are direct materials **efficiency** variances, effect yield, manufacturing lead time, head count and inventory, together with a focus on...

13/3,K/15 (Item 14 from file: 15)

DIALOG(R) File 15:ABI/Inform(R)

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01444913 00-95900

Regulatory reform: Time for action

Jacobs, Scott H

OECD Observer n206 PP: 5-9 Jun/Jul 1997

ISSN: 0029-7054 JRNL CODE: OED

WORD COUNT: 3030

...TEXT: improved in the United Kingdom after reform. Of course, regulators should be prepared to move **quickly** in **response** to rapid product developments, which may require that governments strengthen regulatory bodies in parallel with **market** liberalisation.

(Photograph Omitted)

Captioned as: Where state intervention is still considered desirable in health care...

13/3,K/16 (Item 15 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01364186 00-15173

Benchmarking product development

Ogawa, Dennis; Ketner, Laura

Telephony v232n4 PP: 34-38 Jan 27, 1997

ISSN: 0040-2656 JRNL CODE: TPH

WORD COUNT: 1229

...TEXT: as a core competency. Effective product development, however, has become a strategic weapon in providing **speed** and flexibility to **respond** to dynamic **market** conditions, incorporate new technologies and adjust to changing customer needs. To keep pace with competition...

13/3,K/17 (Item 16 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01293905 99-43301

Estabilishing safe harbor

Ebling, Robert G

Risk Management v43n9 PP: 53-56 Sep 1996

ISSN: 0035-5593 JRNL CODE: RMT

WORD COUNT: 1640

...TEXT: mobile data centers or locations such as nearby hotels to which equipment can be delivered **quickly**.

Information protection analyses **determine** the **effectiveness** of current data protection procedures to evaluate a company's ability to recover essential information.

Security procedure reviews evaluate a building's computer room and other facilities to identify areas where...

13/3,K/18 (Item 17 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01237954 98-87349

The economic efficiency of telecommunications in a deregulated market: The case of New Zealand

De Boer, David Boles; Evans, Lewis

Economic Record v72n216 PP: 24-35 Mar 1996

ISSN: 0013-0249 JRNL CODE: IERC

WORD COUNT: 7508

...TEXT: Finally, we recognize that g[t] is a static concept and that it does not **measure** dynamic **efficiency** --which entails choosing the timing and amount of investment in the presence of adjustment costs and intertemporal **market** and organizational issues. However, the growth of output, inputs and g[t] over **time**, together with **information** such as capacity utilization and quality performance, will aid an assessment of dynamic efficiency.

We...

13/3,K/19 (Item 18 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2003 ProQuest Info&Learning. All rts. reserv.

01221609 98-71004

Responses to Social Security by men and women: Myopic and far-sighted behavior

Reimers, Cordelia; Honig, Marjorie

Journal of Human Resources v31n2 PP: 359-382 Spring 1996

ISSN: 0022-166X JRNL CODE: JHR

WORD COUNT: 8838

...TEXT: IV presents the data and results, followed by a discussion of the implications for Social **Security** policy. II. Social **Security** and the Time Horizon

The individual's **effective** **time** horizon **determines** his or her **response** to the earnings test for receipt of Social **Security** benefits and the actuarial adjustments of postponed benefits, including the delayed retirement credit. Under the...

13/3,K/20 (Item 19 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01184159 98-33554

Market-oriented public procurement systems

Warrillow, Cerdic

International Trade Forum n3 PP: 24-29+ 1995

ISSN: 0020-8957 JRNL CODE: ITF

WORD COUNT: 3963

...TEXT: public procurement operations is essential for achieving a successful evolution from a planned to a **market** economy. **Measures** to introduce **effective** public procurement regulations and procedures can bring various benefits to a country undergoing such change...

13/3,K/21 (Item 20 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01130671 97-80065

Security and the surrogate shopper

Muuss, James P

Security Management v39n12 PP: 55-57 Dec 1995

ISSN: 0145-9406 JRNL CODE: SEM

WORD COUNT: 1718

...ABSTRACT: productivity, and improve product quality. Before sending a surrogate shopping into a company store, the **security** director should set clear goals, determining who should be targeted and what **information** should be gathered. While one- **time** efforts are often effective, repeated use of a shopping service tends to have a more...

13/3,K/22 (Item 21 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01120369 97-69763

The National Flood Insurance Reform Act of 1994: New and changed lender compliance requirements

Della Torre, Thomas P

ABA Bank Compliance v16n10 PP: 16-18+ Oct 1995

ISSN: 0887-0187 JRNL CODE: BCP

WORD COUNT: 1447

...ABSTRACT: NFIRA). NFIRA gives lenders/servicers the tools they need to comply with legal and secondary **market** requirements. However, it also places greater **responsibilities** on lenders/servicers - including first **time** monetary penalties for noncompliance - to ensure that structures located in Special Flood Hazard Areas are...

13/3,K/23 (Item 22 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01017794 96-67187

A methodology for assessing time-based competitive advantage of manufacturing firms

Kumar, Ashok; Motwani, Jaideep

International Journal of Operations & Production Management v15n2 PP: 36-53 1995

ISSN: 0144-3577 JRNL CODE: IJO

WORD COUNT: 5127

...TEXT: are other aliases used in literature to describe the activities on the critical path: delivery, **market response time**, **time from idea-to-market**, and agility. Of these, delivery has somewhat narrower connotations (see, for instance, [5,6]) than...

13/3,K/24 (Item 23 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01017359 96-66752

Hayek's The Road to Serfdom revisited: Government failure in the argument against socialism

Boettke, Peter J

Eastern Economic Journal v21n1 PP: 7-26 Winter 1995

ISSN: 0094-5056 JRNL CODE: EEJ

WORD COUNT: 10915

...TEXT: government to calculate the alternative use of scarce resources rationally without the signals of the **market**). Instead, political actors would just have to gather more **information** and try harder next **time** .

Planning and the expansion of democratic procedures into areas beyond its traditional scope were not...

13/3,K/25 (Item 24 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00986252 96-35645

A securities transactions tax and capital market efficiency

Kupiec, Paul H

Contemporary Economic Policy v13n1 PP: 101-112 Jan 1995

ISSN: 1074-3529 JRNL CODE: CPI

WORD COUNT: 4436

...TEXT: of the modern empirical finance literature typified by the empirical event-test methodology addresses this **measure** of **market efficiency** . (See the survey articles by Fama, 1976, 1991; Jensen, 1978.)

B. Fundamental Valuation Efficiency

Fundamental...

13/3,K/26 (Item 25 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00882039 95-31431

Texas trunking

Russek, R R

Communications v31n7 PP: 34-37 Jul 1994

ISSN: 0010-356X JRNL CODE: CMN

WORD COUNT: 2751

...TEXT: Use of CAD for voiceless communications and routine dispatch will add a high degree of **security** . Through the use of pre-programmed function keys at the mobile data terminals, the officers will save **time** in routine **responses** and requests by using a single keystroke. The mobile data terminal may also be used...

... incremental cost to initiate and maintain the data system will be a sound investment with **measurable** dividends in productivity, **efficiency** , and **security** .

"Before we had this system, we didn't realize how archaic our operation had become...

13/3,K/27 (Item 26 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00715831 93-65052

Northwestern Memorial takes numbers approach to tackle problem areas in materials management

Werner, Curt

Hospital Materials Management v18n5 PP: 14-15 May 1993

JRNL CODE: HMA

WORD COUNT: 1164

...TEXT: as ours to be effective. All you have to do is tell yourself: let's **measure** things such as **stock efficiency**, linen services, and **response time**."

Results of the second customer satisfaction survey were scheduled to be ready in mid-April.

13/3,K/28 (Item 27 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00677246 93-26467

Strategic network management

Burdiek, Michael

Cellular Business v10n1 PP: 38-43 Jan 1993

ISSN: 0741-6520 JRNL CODE: CLB

WORD COUNT: 2671

...TEXT: region and system. Marketing could use such data to adjust market targets and to trend **market** share, usage and quality performance more frequently than is currently possible. General management could use **real-time** and quantitative **information** to make decisions on future capital expenditures and to measure the effectiveness of past ones...

13/3,K/29 (Item 28 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00662319 93-11540

Efficiency in currency futures markets SURE vs. FIML estimates

Avsar, Serdar A

Economic Record Supplement PP: 130-134 1992

ISSN: 0013-0249 JRNL CODE: IERC

ABSTRACT: An attempt is made to determine the appropriate **estimation** technique for testing the **market efficiency** hypothesis. The weak and semi-strong forms of the **market** efficiency hypothesis have been tested for 5 actively traded futures currency markets (the UK sterling...

... simultaneity, the prior forecast errors are predetermined, and covariation exists among equations, therefore, the SUR **estimation** technique will be **efficient** and consistent. Due to the joint nature of the hypothesis, it cannot be confidently concluded that these **markets** are inefficient. Unless it is proven that the futures rate systematically diverges from the spot rate, then the random **information** occurring between quotation and delivery **time** has to be reflected in the rational

expectation forecast error, and these results cannot qualify...

13/3,K/30 (Item 29 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00596337 92-11510

Outsourcing and Industrial Decline

Bettis, Richard A.; Bradley, Stephen P.; Hamel, Gary

Academy of Management Executive v6n1 PP: 7-22 Feb 1992

ISSN: 0896-3789 JRNL CODE: AEX

WORD COUNT: 7497

...TEXT: is also important is the capability of an organization to be prepared to initiate or **quickly respond** to inevitable changes in the **market** and in product and process technology. It is this capability, built on skills and competences...

... a period of years. This competitive advantage must, of course, ultimately be reflected in the **market** place. However, the long run **measure** of **effective** strategy should not be confused with the means of accomplishing and maintaining it. Current strength in the **market** place alone is a very incomplete and potentially very misleading indicator of strategic health.

The...

13/3,K/31 (Item 30 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00578421 91-52768

Use Yield Spreads to Score Birdies

Irving, Sara A.; Raney, Timothy G.

Corporate Cashflow v12n10 PP: 37-44 Sep 1991

ISSN: 1040-0311 JRNL CODE: CFL

ABSTRACT: Yield spreads offer treasury managers a critical tool for making **effective** investment decisions. Historical spreads **measure** the relative attractiveness of investment alternatives and indicate the **market** consensus on near-term prospects for individual issuers and the economy. It is particularly important that the keys to increasing portfolio returns can be found in the shifting **market** yield relationships. Spreads are important because they are dynamic and change frequently over **time** in **response** to changing **market** conditions. Wide spreads by historic standards may indicate an opportune time to increase certificate of...

13/3,K/32 (Item 31 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00395954 88-12787

CIM Message Still Going Unheeded

Malaguti, Tim

Computing Canada v14n6 PP: 22-24 Mar 17, 1988

ISSN: 0319-0161 JRNL CODE: CCD

...ABSTRACT: management system (DBMS). To be successful for a CIM implementation, the DBMS must: 1. make **efficient** use of **computing** resources, 2. provide necessary **information** in an acceptable **time**, 3. be capable of being updated, and 4. provide data **security** and integrity. The 2nd most important element of a CIM system is its network. CIM...

13/3,K/33 (Item 32 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00386482 88-03315

An Evaluation of Two New Inference Control Methods

Chin, Y. H.; Peng, Weng-Ling

IEEE Transactions on Software Engineering vSE-13n12 PP: 1329-1339 Dec 1987

ISSN: 0098-5589 JRNL CODE: ISO

...ABSTRACT: the 2nd on perturbation. Simulation results suggest that both methods have higher preparation cost, better **security**, and faster **response time** than Cox's (1980) method and Beck's (1980) method. Finally, these 2 new methods...

... in every respect, the control methods based on restriction have higher preparation cost and better **security**, while the control methods based on perturbation have faster **response time** for a query, but more **information** leak. ...

13/3,K/34 (Item 33 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00265102 85-05535

An Econometric Analysis of the Choice of Daily Versus Monthly Returns in Tests of Information Content

Morse, Dale

Journal of Accounting Research v22n2 PP: 605-623 Autumn 1984

ISSN: 0021-8456 JRNL CODE: JAR

...ABSTRACT: on factors affecting the power of statistical tests to explore the effect of information on **security** returns based on return data over different units of **time**. Three characteristics of the **information** event are analyzed, namely: 1. the existence of confounding information events during the same period...

13/3,K/35 (Item 34 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00248372 84-26932

Airline Pension Fund Is Automated

Anonymous

Computing Canada v10n15 PP: 15 Jul 26, 1984

ISSN: 0319-0161 JRNL CODE: CCD

...ABSTRACT: additional \$150,000 annually through improved reaction time to changes in today's volatile financial **markets**. Up-to-the-moment, real-**time information** allows the fund managers to **determine**, from day to

day, the **effectiveness** of various investment decisions. In addition, the computer tracks all settlements and dividends that become...

13/3,K/36 (Item 35 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00204480 83-16041
Coated Coil Inspection
Politzer, Beverly
Quality v22n6 PP: 30-32 Jun 1983
ISSN: 0360-9936 JRNL CODE: QUA

...ABSTRACT: profits are maximized by achieving and maintaining an optimum quality setpoint. Automatic laser inspection systems **effectively measure** the quality of coated strip **stock**. Such a system consists of: 1. a high **speed** laser scanner, 2. an optical **receiver**, and 3. a microprocessor control center. Strip inspection may be performed before or after coating...

13/3,K/37 (Item 36 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00112994 80-06882
Feedback Approaches to Modeling Structural Shifts in Market Response
Mahajan, Vijay; Bretschneider, Stuart I.; Bradford, John W.
Journal of Marketing v44n1 PP: 71-80 Winter 1980
ISSN: 0022-2429 JRNL CODE: JMK

...ABSTRACT: stratgy.The use of feedback approaches can be demonstrated in the development of self-adaptive **market response** models. Such approaches furnish **time** -varying coefficients of the postulated **market response** models, and, in the presence of a decision making environment which is relatively stable over **time**, the **feedback** approaches furnish a technique to diagnose the stability. Feedback approaches are particularly useful when the...

... of structural changes is unknown. The feedback approaches, in addition, can aid the analyst in **measuring** the time **effectiveness** of managerial decision variables. Finally, these approaches afford a way to develop **time** -varying parameter structures of **market response** models.

...

13/3,K/38 (Item 37 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00083915 78-18248
Distributing Vital Information
Miller, Frederick W.
Infosystems v25n10 PP: 98-100 Oct. 1978
JRNL CODE: BAU

...ABSTRACT: would be hampered. There are more than 150 models from about 35 companies in the **market**. Present and projected needs must be carefully **determined** to select the most cost- **effective** machine. In the selection

process the prospective buyer should first consider quality, then volume, and...

13/3,K/39 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

07429263 Supplier Number: 62481742 (USE FORMAT 7 FOR FULLTEXT)
Digital Microwave, HSE Communications Deliver Broadband Fixed Wireless Access Solution for Major Service Provider.
PR Newswire, pNA
June 5, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 852

... broadband delivery, so we turned to our established partner DMC," said David Otey, HSE new **market** development director. "DMC **responded quickly** and delivered a cost- **effective** solution for the system, **calculated** to exceed eight-nines (99.999999) percent of reliability. Because of the flexibility of the...

13/3,K/40 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

07328430 Supplier Number: 61531566 (USE FORMAT 7 FOR FULLTEXT)
Potential Value of Earnings Estimates Across World Markets.
FOGARTY, DENNIS
Journal of Investing, v9, n1, p83
Spring, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 10565

... the size and direction of estimate changes over the same period, 1989-1993.

In smaller **markets**, we can refer to a study by Suret and L'Her (1995) on AsianPacific emerging **markets**. The **speed** with which **information** on estimate changes is incorporated into prices was found to be nearly equal to that in Canada, suggesting a relatively **efficient** relationship between **estimate** change and **security** returns. Over the 1988-1997 period, Patel (1998) finds a relationship between excess **security** returns and historical values such as PB, PE, and size. excess security return in emerging...

13/3,K/41 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07317039 Supplier Number: 61999737 (USE FORMAT 7 FOR FULLTEXT)
WallStreetReporter.com Talks Shop Online With Greentrac.com CEO Paul Balalis; Log On to Hear Founder Discuss Green Marketplace Site and Impressive Results.
PR Newswire, p9093
May 10, 2000
Language: English Record Type: Fulltext

Document Type: Newswire; Trade
Word Count: 542

... Greentrac.com has been structured and has proved successful in crossing all industry and vertical **market** boundaries -- from construction to landscaping. Profitability for the Greentrac.com site may come as early as next year, **estimated** Balalis.

The Greentrac.com eRFP **efficiently** links buyers and sellers in a quick-response format that submits requests from buyers to...

13/3,K/42 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

07305520 Supplier Number: 61931036 (USE FORMAT 7 FOR FULLTEXT)
InternetWeek and Network Computing Editors Name SilverBack's InfoCare a Finalist in the Best of Show Award Program At NetWorld+Interop 2000 Las Vegas.

Business Wire, p1457
May 8, 2000
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 718

... Show Awards competition at NetWorld+Interop 2000 Las Vegas by CMP's InternetWeek and Network **Computing** Editors.

InfoCare is a cost- **effective** , subscription based service that utilizes off-the-shelf, industry leading software applications to provide performance, assets, **security** , alerts, availability and usage metrics information across customers' entire IT environments. This broad suite of...

13/3,K/43 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06596933 Supplier Number: 55588594 (USE FORMAT 7 FOR FULLTEXT)
Expedia's Challenge.
Quinlan, Michael
Travel Agent, v296, n6, p20
August 16, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2748

... compared with traditional advertising is that the supplier is able to bring its product to **market** much more **quickly** , and get immediate **feedback** on the effectiveness of the ad. This point is not lost on Expedia. Says Barton...

13/3,K/44 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06550821 Supplier Number: 55396592 (USE FORMAT 7 FOR FULLTEXT)
StockUp.com Inc. Completes Certified Audit and Files Form 10.
Business Wire, p0160
August 10, 1999

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 463

... Form 10 with the Securities and Exchange Commission (SEC) to register the company's common **stock**.

The certified financial audit was completed by Singer, Lewak, Greenbaum & Goldstein LLP. Upon the Form 10's **effective** date, to be **determined** by the SEC, StockUp.com Inc. will become a fully reporting company. At that **time**, financial and business-related **information** required to be reported by the company under the **Securities** and Exchange Act of 1934 will be publicly available from the SEC.

It is StockUp...

13/3,K/45 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06511866 Supplier Number: 55252521 (USE FORMAT 7 FOR FULLTEXT)
GRC International Receives Prestigious Cogswell Security Award.

PR Newswire, p8613
July 26, 1999

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 366

... officials and others.

The facility must also excel in the following award criteria: 1) Improve **security** performance, practices and capabilities by encouraging the implementation and maintenance of appropriate and cost- **effective security measures**; 2) Facilitate communications and sharing of best practices information among the **security** community; and 3) Serve as a working tool for understanding and managing performance planning, training
...

...Receiving this award is the result of a team effort that includes top management, the **security** staff and the entire facility work force. This is the ninth **time** GRC International has **received** this prestigious award.

The James S. Cogswell Outstanding Industrial **Security** Achievement Award is named after the first chief of the DoD's Office of Industrial...

13/3,K/46 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06226211 Supplier Number: 54240752 (USE FORMAT 7 FOR FULLTEXT)
Insource Technology Promotes Internet as Key to Success for 401-k- Plan Providers.

Business Wire, p0306
March 29, 1999

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 442

... customer expectations: in-depth information, including account balance information, rebalancing and allocation choices, fund and **market** information, and interactive tools such as **calculators** and trend

analysis. The most **effective** Web sites allow sponsors to give **feedback** , and in turn, provide **quick responses** .

Of great importance, sites must be secure, providing sponsors with the confidence that their information...

13/3,K/47 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

06164363 Supplier Number: 53986323 (USE FORMAT 7 FOR FULLTEXT)

Nissan Changes to Get New Models in Production Faster.

Comline Transportation, p990223100004

Feb 23, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 136

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...would save about 10 billion yen in costs annually, according to Nissan, and help it **respond** more **quickly** to the **market** . New car development from 2001 will be based on the five platforms and will see...

13/3,K/48 (Item 10 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

06140521 Supplier Number: 53904697 (USE FORMAT 7 FOR FULLTEXT)

New therapy for AMD.

CHARTERS, LYNDA

Ophthalmology Times, v24, n3, p1(1)

Feb 1, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1500

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...goal of making Visudyne available in early 2000." He said the company will "seek rapid **market** penetration if approval is obtained in order to bring this therapy to those who need it as **quickly** as possible."

Responses to TAP findings Generally speaking, the responses to the 1-year findings reflected enthusiasm tempered...

13/3,K/49 (Item 11 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

06106962 Supplier Number: 53686408 (USE FORMAT 7 FOR FULLTEXT)

Internet Security Systems and Schumann AG Sign OEM Agreement to Integrate Enterprise Security Solutions.

Business Wire, p1289

Feb 2, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1078

... said Alex Bogaerts, vice president of ISS' EMEA operations. "By combining SAFESuite with the centralized **security** administration capabilities of SAM, companies will be able to more **effectively**, **measure**, monitor and manage their overall **security** posture and **respond** in real **time** to potential **security** concerns. We are excited to be partnering with Schumann AG and look forward to leveraging...

13/3,K/50 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05570403 Supplier Number: 48435601 (USE FORMAT 7 FOR FULLTEXT)
PeopleSoft Chooses Decisive Technology(TM) to Gain Critical Product And Service Insight From Customers
PR Newswire, p0420SFM023
April 20, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 983

... collect responses and analyze data automatically. Using EVP, companies can gather customer opinions and attitudes **quickly** and continuously enabling them to **respond** to changes in customer satisfaction, **measure market effectiveness** and keep abreast of changes in the marketplace. The Internet-based solution can be fully...

13/3,K/51 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05220119 Supplier Number: 47962167 (USE FORMAT 7 FOR FULLTEXT)
Corporate Management Solutions Announces Availability of Express Options Desktop.
Business Wire, p09080358
Sept 8, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 655

... be changed easily and frequently by the corporation. CMS's FEEDBACK function allows optionees to **respond** real **time** and can be used as a tool to **measure plan effectiveness**.

ABOUT CMS Corporate Management Solutions, Inc. ("CMS") develops, **markets** and supports the Express suite of software solutions designed to automate record keeping functions for...

13/3,K/52 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03774491 Supplier Number: 45367188 (USE FORMAT 7 FOR FULLTEXT)
Security in the '90s: safety, theft top our concerns
Automatic Merchandiser, p26
March, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1655

... and route (sales) collection is a good place to start. The approach to dealing with **security** issues is changing for many operators. Focus has shifted to zeroing in on internal controls and developing more **effective security** and cash control **measures**. Toward that goal, **security** and operations must become more interdependent on one another.

13/3,K/53 (Item 15 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

01550323 Supplier Number: 41896410 (USE FORMAT 7 FOR FULLTEXT)
Beverage software getting harder to resist
Beverage Industry, p58
March, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 969

... or service time.
For more information, circle no. 339
ROADSHOW: Also looking at the international **market**, Routing Technology Software has released its popular Roadshow routing system in the United Kingdom. Designed for PCs, Roadshow can **determine** the most cost-**effective** routes for a client's fleet. The program works by analyzing the orders that need...

13/3,K/54 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

13700977 SUPPLIER NUMBER: 76514751 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Financial and Business Statistics.(Illustration)
Federal Reserve Bulletin, 86, 6, A1
June, 2000
DOCUMENT TYPE: Illustration ISSN: 0014-9209 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 20627 LINE COUNT: 09512

... United Kingdom and Canada. Excludes amounts held by depository institutions, the U.S. government, money **market** funds, and foreign banks and official institutions. Seasonally adjusted M3 is calculated by summing large **time** deposits, institutional money fund balances, RP liabilities, and Eurodollars, each seasonally adjusted separately, and adding...

13/3,K/55 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

12220923 SUPPLIER NUMBER: 62402457 (USE FORMAT 7 OR 9 FOR FULL TEXT)
On the Derivation of Monetary Policy Shocks: Should We Throw the VAR Out with the Bath Water?(Statistical Data Included)
BRUNNER, ALLAN D.
Journal of Money, Credit & Banking, 32, 2, 254
May, 2000

DOCUMENT TYPE: Statistical Data Included ISSN: 0022-2879
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 9645 LINE COUNT: 00870

... of excluding information that agents do have available is addressed by including available measures of **market** expectations in the estimation of economic innovations. These **measures** serve as a convenient and **efficient** way to include unobservable but relevant information necessary to calculate innovations.

To properly account for...

13/3,K/56 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

11450299 SUPPLIER NUMBER: 56970115 (USE FORMAT 7 OR 9 FOR FULL TEXT)
To keep sites performing, expect the unexpected. (Ecommerce) (includes related article on how Charles Schwab keeps its electronic commerce site operational)

Flanagan, Patrick

Business Communications Review, 29, 9, 54(4)

Sept, 1999

ISSN: 0162-3885

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2318 LINE COUNT: 00199

... Business 40 Internet Performance Index
(www.keynote.com/measures/business/business40.html) tracks the average **response time** for 40 major business websites.

A second key measurement is transaction time. Keynote monitors sites offering **securities** trading, tracking the time it takes to enter the website, log into the trading area...

13/3,K/57 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10755016 SUPPLIER NUMBER: 53591858

Time-based security explained: provable security models and formulas for the practitioner and vendor.

Schwartau, Winn

Computers & Security, 17, 8, 693(2)

Dec, 1998

ISSN: 0167-4048

LANGUAGE: English

RECORD TYPE: Abstract

ABSTRACT: A study was conducted to define the scope and applications of a time-based **security** model (TBS) for information systems. The TBS model provides a process methodology and **measurable** framework that **determine** the **effectiveness** of **security measures** and propose reliable **security** investments. The model can be used for DoS applications and other information system problems. Moreover, **security** managers and other users will find the model easy to understand, comprehensive and uses measurable
...

13/3,K/58 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10483140 SUPPLIER NUMBER: 21165957 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A Fresh Approach. (work-site marketing by life and health insurance companies)

Collett, Douglas A.; Gold, Andrew D.; Suri, Pinto
Best's Review - Property-Casualty Insurance Edition, v98, n5, p29(1)
Sept, 1998

ISSN: 0161-7745 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 5263 LINE COUNT: 00440

TEXT:

...expertise. Service Standards Research by A .M. Best found that companies in the work-site **market** have clear service standards for claims turnaround **time** , policyholder service requests and **response time** for call centers. The turnaround time for claims processing typically is three to four working...

...call, if all necessary files are on-line and available to the customer service representative. **Market** leaders already have invested in the technology, training and systems to support rapid **response time** for inquiries regarding claim status, billing questions, changes in coverage and benefit selection. In addition...

13/3,K/59 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10481999 SUPPLIER NUMBER: 21162431 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The ABCs of merchandising beverages.

Jay, Richard
Beverage Industry, v89, n8, p48(1)
August, 1998

ISSN: 0148-6187 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 573 LINE COUNT: 00053

TEXT:

...P. design shouldn't begin until sufficient product samples are available; only then can its **effectiveness** , strength, and capacity be **determined** . * P.O.P. designers should know more than good design, including production capabilities, cost effectiveness, special features, materials, custom vs. **stock** , etc. * Successful P.O.P. manufacturers/designers work closely with bottlers and retailers to understand...

13/3,K/60 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09904818 SUPPLIER NUMBER: 20047845 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sidewalk Announces Major New National and Regional Advertisers and Sponsors
PR Newswire, p1208SFM018

Dec 8, 1997

LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 898 LINE COUNT: 00080

... us communicate with them in a very targeted, personal way. The ability to deliver different **messages** to different **markets** and get **quick measures of effectiveness** is a major benefit."

Besides enabling advertisers to deliver different campaigns to

different **markets** , Sidewalk allows them to evaluate the effectiveness of campaigns in those markets, so Holland America...

13/3,K/61 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09124084 SUPPLIER NUMBER: 18898515 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Encore's new real-time cluster architecture leverages "Best of Breed" technology and "Balanced Power" capabilities to the real-time marketplace.

Business Wire, p12021195

Dec 2, 1996

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 508 LINE COUNT: 00050

... announced at I/ITSEC in Orlando, Fla., this week. Typically, real-time systems lag the **market** technology because of the demanding requirements for **determinism** , low **latency** , and fast **response** I/O, which takes engineering **time** to be designed into today's state-of-the-art offerings. Encore's new real...

13/3,K/62 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09013500 SUPPLIER NUMBER: 18728503 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Using market-based information in credit analysis.

Morgan, John B.

Journal of Lending & Credit Risk Management, v78, n8, p23(8)

April, 1996

ISSN: 0021-986X LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2885 LINE COUNT: 00228

... about the expected performance of a company can be derived from the performance of its **stock** .

Some people may argue that the **stock market** is inefficient because **stock** prices appear to move erratically. However, **market efficiency** is not **measured** by erratic price movements but by information flows. The **stock market** is an efficient **market** because **information** is **quickly** digested by **market** participants and because current prices fully reflect publicly available information about **stocks** . Assuming there is no inside information available, neither buyers nor sellers have an advantage in...

13/3,K/63 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08905838 SUPPLIER NUMBER: 18487252

The economic efficiency of telecommunications in a deregulated market: the case of New Zealand.

Boer, David Boles de; Evans, Lewis

Economic Record, v72, n216, p24(12)

March, 1996

ISSN: 0013-0249 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8578 LINE COUNT: 00706

... Finally, we recognize that $g(t)$ is a static concept and that it does not **measure** dynamic **efficiency** - which entails choosing the timing and amount of investment in the presence of adjustment costs and intertemporal **market** and organizational issues. However, the growth of output, inputs and $g(t)$ over **time**, together with **information** such as capacity utilization and quality performance, will aid an assessment of dynamic efficiency:

We...

13/3,K/64 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08722300 SUPPLIER NUMBER: 18367627 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Anomalies in option pricing: the Black-Scholes model revisited.
Fortune, Peter
New England Economic Review, p17(24)
March-April, 1996
ISSN: 0028-4726 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 15663 LINE COUNT: 01193

... Black-Scholes model's predictions or assumptions.

First, the Black-Scholes model assumes that the **market** forms **efficient estimates** of the volatility of the return on the S&P 500. These estimates then become...

13/3,K/65 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08124425 SUPPLIER NUMBER: 17389671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Plastics technology: manufacturing handbook & buyers' guide 1995/96. (Buyers Guide)
Plastics Technology, v41, n8, pCOV(941)
August, 1995
DOCUMENT TYPE: Buyers Guide ISSN: 0032-1257 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 174436 LINE COUNT: 15187

... DYNISCO INSTRUMENTS

MTX fiber-optic infrared temperature transducer for nonintrusive measurement of melt temperatures has **response time** of 10 millisec, detects highly transient melt temperatures for tight process control, and resists abrasion...

13/3,K/66 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08019301 SUPPLIER NUMBER: 17335230 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The speed of adjustment of prices to private information: empirical tests.
Lin, Ji-Chai; Rozeff, Michael S.
Journal of Financial Research, v18, n2, p143(14)
Summer, 1995
ISSN: 0270-2592 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4743 LINE COUNT: 00393

... access to private information and which obtain abnormal returns, but cites no studies of how **quickly** prices adjust to private **information**. Measuring the **speed** of adjustment of prices to private information directly tests the strong form efficiency of the **stock market**, just as measuring the speed with which prices reflect public announcements tests semi-strong form...

...rapidly to insider trading. In a different vein, Holthausen, Leftwich, and Mayers (1990) examine the **speed** at which **stock** prices **respond** to large block transactions and find that, where there are permanent price adjustments, they **respond quickly**. All of these findings support a rapid price adjustment to private information and strong form **market efficiency**.

We **estimate** speeds of adjustment to private information across large samples of **stocks** and find several cross-sectional regularities. For both exchange-listed and over-the-counter stocks...

13/3,K/67 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07911745 SUPPLIER NUMBER: 16954629 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The capital asset pricing model: risk valuation, judicial interpretation, and market bias.
Glaser, Jeffrey S.
Business Lawyer, 50, n2, 687-716
Feb, 1995
ISSN: 0007-6899 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 15779 LINE COUNT: 01256

... prices adjust to new information. See Ronald J. Gilson & Reinier H. Kraakman, The Mechanisms of **Market Efficiency**, 70 Va. L. Rev. 549, 560 (1984) (stating that the critical question when **determining market efficiency** is how fast prices change to reflect new information). Under the strong version of efficiency...posit that the method for valuing risk is not based on prices accurately representing a **security**'s real value, but rather on three beliefs: (i) prices change **quickly** in **response** to new **information**; (ii) prices change accurately in response to new information (i.e., price change is "unbiased..."

13/3,K/68 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07594455 SUPPLIER NUMBER: 16288973 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lotus Notes: AT&T & Lotus announce four additional AT&T Network Notes market trials; business application service from Compaq, First Albany, Individual, & 3M provide inter-enterprise solutions.
EDGE, on & about AT&T, v9, n330, p35(1)
Nov 21, 1994
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1449 LINE COUNT: 00123

TEXT:

...live as extended enterprise solutions based on AT&T's Worldwide. Intelligent Network and the **market** leading groupware platform, Lotus Notes. AT&T Network Notes provide businesses access to a cost- **effective**, secure and reliable client/server **computing** platform over the AT&T

network without incurring the associated costs of supporting and staffing
...

13/3,K/69 (Item 16 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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06425236 SUPPLIER NUMBER: 13516074 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Supreme Court antitrust 1991-92: the revenge of the amici.
Calkins, Stephen
Antitrust Law Journal, 61, n2, 269-311
Wntr, 1993
ISSN: 0003-6056 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 24273 LINE COUNT: 01932

... sophisticated business purchasers of technologically advanced and complex equipment," such as were involved in these **markets** were among the customers most capable of **effectively estimating** costs. Petitioner's Reply Brief on the Merits at 12 n. 12 (quoting 9 Phillip...

13/3,K/70 (Item 17 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06219806 SUPPLIER NUMBER: 13277508 (USE FORMAT 7 OR 9 FOR FULL TEXT)
U.S. mergers and acquisitions. (The M&A Rosters: First Quarter 1992)
Mergers & Acquisitions, 27, n1, 65(69)
July-August, 1992
ISSN: 0026-0010 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 79730 LINE COUNT: 07395

... other Mexican products are distributed under the names Cruz and San Pablo2 to retail foodstores. **Effective** Date: 2-6-92
TIE/communications Inc. acq. Westside Communications
Seymour, CT unit Inc. {telephone...

13/3,K/71 (Item 18 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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05548684 SUPPLIER NUMBER: 11649543 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing the dollar: has the Plaza Agreement mattered? (agreement among financial ministers and central bankers of the major industrial countries)

Klein, Michael; Mizrach, Bruce; Murphy, Robert G.
Journal of Money, Credit & Banking, v23, n4, p742(10)
Nov, 1991
ISSN: 0022-2879 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4602 LINE COUNT: 00377

... whether the forecasts systematically deviate from the actual trade figures. Orthogonality is a test of **market efficiency**. We want to **determine** whether publicly available **information** at the **time** of the announcement was incorporated into the forecast.

Following Grossma (1981), we first regressed the...

13/3,K/72 (Item 19 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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04869278 SUPPLIER NUMBER: 09615039 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Growing international co-movement in stock price indexes.

Jeon, Bang Nam; Von Furstenberg, George M.

Quarterly Review of Economics and Business, v30, n3, p15(16)

Autumn, 1990

ISSN: 0033-5797 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 6771 LINE COUNT: 00556

... whether there have been changes in interrelationships among stock prices in the major world equity **markets** since the **stock market** crash of October 1987. At most one lag should appear in the VAR **estimation** for **efficient markets** provided the information is crisp, that is, fully released at one time, and **stock** prices adjust **quickly** to all relevant **information** .(6) The log-likelihood ratio tests for the choice of the lag length confirmed our...

13/3,K/73 (Item 20 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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03932987 SUPPLIER NUMBER: 07545907 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A dynamic model of the transmission of price information into auto insurance markets. (study of consumers switching auto insurance firms)

Berger, Lawrence A.; Kleindorfer, Paul R.; Kunreuther, Howard

Journal of Risk and Insurance, v56, n1, p17(17)

March, 1989

ISSN: 0022-4367 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 5753 LINE COUNT: 00454

... exceeds a certain threshold, the "switch cost." Data from New York and Alberta auto insurance **markets** are used to **measure** switch costs and the **effective speed** of transmission of **information** in these **markets**

Introduction

A dominant theme in the literature exploring the implications of imperfect knowledge on the part of **market** participants has been that the way in which information is transmitted among and processed by...

...structural changes in the institutional environment. Constructing a dynamic model of the demand structure allows **measurement** of the **effective speed** of transmission of **information** in the **markets** for auto insurance in Alberta from 1976 through 1980 and in New York State from ...

13/3,K/74 (Item 21 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03907220 SUPPLIER NUMBER: 07203508 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Study finds system measures can improve control.

Wedberg, George H.

Government Computer News, v8, n8, p36(1)

April 17, 1989

ISSN: 0738-4300 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 716 LINE COUNT: 00058

... system effectively serves the organization that employs it.

There are several types of MOEs. Each **measures** a different aspect of system **effectiveness**. One type **measures** system characteristics such as **response time**, **security**, or ease of use.

A second type of MOE provides direct measures of functional effectiveness...

13/3,K/75 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

00549631

How home computers will facilitate shopping at home is explored by direct marketing (DM) expert B Stone, chairman, Stone & Adler (Chicago, Ill).
Advertising Age March 3, 1980 p. 53,601

... be purchased (then when the decision is made, placing the order and setting the delivery **time**); and checking on such continuing **information** files as sports scores or Dow Jones **stock** averages. Knight-Ridder has not yet determined how advertisers will be charged for the service...

13/3,K/76 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

02075148 SUPPLIER NUMBER: 19500438 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Intranet security: an investment in the enterprise. (Technology Information)

Willson, Nigel P.

Databased Web Advisor, v15, n6, p38(5)

June, 1997

ISSN: 1090-6436

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2519 LINE COUNT: 00218

...ABSTRACT: s provide users with internal openness and accessibility that is carefully balanced with reliable and **effective security measures**. A **security** strategy requires hiring a **security** manager who will create and enforce a an active **security** policy and standards. Information and resources then need to classified and organized into categories that...

...After these structures are in place, companies should conduct regular security audits and risk assessments. **Security** should be pro-active and aggressive by offering protection, monitoring and validation. Finally, organizations need to be prepared to **respond quickly** and immediately to any **security** breaches.

13/3,K/77 (Item 2 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2003 The Gale Group. All rts. reserv.

01236522 SUPPLIER NUMBER: 06202714 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Controlling dialup access.

Johnston, R.E.

Infosystems, v35, n1, p28(1)

Jan, 1988

ISSN: 0364-5533 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 960 LINE COUNT: 00076

ABSTRACT: Increasing dialup access to sensitive **information** and ever-increasing **speed** of communications has created an unanticipated need for dialup **security**. Companies should begin by reviewing controls already in place, such as sign-on requirements, threshold...

...limit the brands and types of hardware used. The use of a protocol converter with **security** controls can be a **effective security measure** on the hardware level. Callback **security** is the most commonly used method of effectively limiting dialup access, but it is cumbersome...

13/3,K/78 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04043510 Supplier Number: 53413389 (USE FORMAT 7 FOR FULLTEXT)
U.S. HUD: Cuomo announces groundbreaking nationwide audit of housing discrimination around nation.

M2 Presswire, pNA
Nov 17, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1315

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...assistance. Prospective minority renters are treated differently from whites more than 40 percent of the **time** -for example, given different **information** on housing availability and quoted higher **security** deposits and fees when seeking to rent in neighborhoods in which minorities had been historically...

13/3,K/79 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04043370 Supplier Number: 53413248 (USE FORMAT 7 FOR FULLTEXT)
UN: Legal Cmtee concludes consideration of measures to enhance safety of diplomatic missions.

M2 Presswire, pNA
Nov 17, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 2037

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...of Iran told the Sixth Committee (Legal) this morning as it concluded its consideration of **effective measures** to enhance the protection, **security** and safety of diplomatic missions and representatives. Iran held the Taliban leadership fully responsible for...

...on draft resolutions. Committee Work Programme The Sixth Committee (Legal) met this morning to consider **effective measures** to enhance the protection, **security** and safety of diplomatic and consular missions and representatives. It had before it, a report...Introduction of Draft

Resolution The representative of Finland introduced a draft resolution on consideration of **effective measures** to enhance the protection, **security** and safety of diplomatic and consular missions and representatives (document A/C.6/53/L...

13/3,K/80 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04013714 Supplier Number: 53208399 (USE FORMAT 7 FOR FULLTEXT)
-ISS: ISS announces strategic security alliance with Compaq.
M2 Presswire, pNA
Nov 11, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 605

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...subscription-based extranet that enables Compaq solutions partners, resellers, and customers to implement standards-based **computing** solutions quicker, safer and more **efficiently**. About Internet **Security** Systems Internet **Security** Systems (ISS) is the pioneer and leading provider of adaptive network **security** delivering enterprise-wide information protection solutions. ISS's award-winning SAFEsuite family of products manages **security** risks and enhances end user confidence in intranet, extranet and electronic commerce environments. By combining proactive vulnerability detection with real- **time** intrusion detection and **response**, ISS's adaptive network **security** system creates a flexible cycle of continuous **security** improvement, including policy implementation and enforcement. This comprehensive approach to network security strengthens the security...

13/3,K/81 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04010237 Supplier Number: 53185917 (USE FORMAT 7 FOR FULLTEXT)
-UN: Review of further human rights questions begins, human rights situations to be considered by Third Committee.
M2 Presswire, pNA
Nov 5, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 14325

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...non-compliance with the resolution, to convene to consider the situation and the adoption of **effective measures** under Chapter VII of the Charter of the United Nations. Yet, the **Security** Council did not respond to the Assembly's request because of the negative position of...

13/3,K/82 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03919887 Supplier Number: 50149211 (USE FORMAT 7 FOR FULLTEXT)
-COMPAQ: Compaq launches new AP and SP professional workstation lines
M2 Presswire, pN/A
July 9, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 934

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...central location to perform configuration management, fault management for detecting and controlling pre-failure events, **security** management for detecting unauthorised access to sensitive corporate information and asset management for **effectively** managing **computing** assets. Intelligent Manageability supports and can be integrated with leading third-party local area network...

13/3,K/83 (Item 6 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03898502 Supplier Number: 50064584 (USE FORMAT 7 FOR FULLTEXT)
-INTERNET SECURITY SYSTEMS: Microsoft enhances network security with ISS's Internet scanner
M2 Presswire, pN/A
June 10, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 607

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...policies. Internet Scanner can also suggest detailed corrective actions and produce a wide range of **security** risk reports the company can use to obtain the critical information necessary to make informed decisions and implement **effective security measures**. The ISS XForce -- a senior research and development team dedicated to collecting and identifying new **security** weaknesses and translating this **security** knowledge into ISS SAFEsuite solutions -- will also offer Microsoft regular updates to Internet Scanner, ensuring...

...deploying ISS's enterprise-wide vulnerability detection and analysis software, Microsoft can automatically assess the **security** performance of its existing systems at any point in **time**, proactively detecting and **responding** to the growing number of network vulnerabilities and threats." About Internet **Security** Systems Internet **Security** Systems is the leading provider of adaptive network security monitoring, detection and response software that...

13/3,K/84 (Item 7 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03805304 Supplier Number: 48251068 (USE FORMAT 7 FOR FULLTEXT)
-UNISYS: Finnair reports 25% productivity improvement with Unisys Airline Revenue Enhancement system
M2 Presswire, pN/A
Jan 27, 1998

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 499

... see ourselves as a strategic partner," said Lee Davis, Director, Revenue Management of Unisys Transportation **Market** Sector Group. "In that role, we worked with Finnair to **determine** the most **effective** way to produce **measurable** results in the shortest time." The ARE system reduced computation time to produce the decision...

13/3,K/85 (Item 8 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03788417 Supplier Number: 48205759 (USE FORMAT 7 FOR FULLTEXT)

SIDEWALK HELPS ADVERTISERS TARGET CUSTOMERS

Worldwide Videotex Update, v17, n1, pN/A

Jan 1, 1998

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 725

... us communicate with them in a very targeted, personal way. The ability to deliver different **messages** to different **markets** and get **quick measures** of **effectiveness** is a major benefit."

Besides enabling advertisers to deliver different campaigns to different **markets**, Sidewalk allows them to evaluate the effectiveness of campaigns in those markets, so Holland America...

13/3,K/86 (Item 9 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03772946 Supplier Number: 48169007 (USE FORMAT 7 FOR FULLTEXT)

MICROSOFT: Sidewalk announces major new national and regional advertisers and sponsors

M2 Presswire, pN/A

Dec 9, 1997

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 816

... us communicate with them in a very targeted, personal way. The ability to deliver different **messages** to different **markets** and get **quick measures** of **effectiveness** is a major benefit."

Besides enabling advertisers to deliver different campaigns to different **markets**, Sidewalk allows them to evaluate the effectiveness of campaigns in those markets, so Holland America...

Set	Items	Description
S1	56	AU=(AMANAT, I? OR AMANAT I? OR BUNDY M? OR BUNDY, M?)
S2	4707646	MEASUR? OR CALCULAT? OR DETERMIN? OR COMPUTE OR COMPUTES OR COMPUTING OR ESTIMAT?
S3	1277408	EFFECTIVE? OR EFFICIEN?
S4	33453	LATENT? OR LATENCY
S5	1519654	STOCK? ? OR BOND? ? OR SECURITY OR SECURITIES? OR MARKET?
S6	94944	(TIME OR SPEED OR QUICK?) (5N) (RECEIVE? OR RESPON? OR FEEDB- ACK? OR MESSAGE? OR INFORMATION)
S7	0	S1 AND S4
S8	233210	S2(20N) (S3 OR S4)
S9	106	S8 AND S6 AND S5
S10	79	S9 NOT PY>2000
S11	79	S10 NOT PD=200008221:20031006
S12	78	RD (unique items)

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(c) 2003 ProQuest Info&Learning

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(c) 2003, EBSCO Pub.

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(c) 2003 The New York Times

File 475:Wall Street Journal Abs 1973-2003/Oct 03
(c) 2003 The New York Times

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(c) 2002 The Gale Group

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Sep
(c)2003 Info.Sources Inc

12/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6825656 INSPEC Abstract Number: C2001-03-1290F-018

Title: Industrial dynamics model for optimisation of logistics system parameters

Author(s): Milosz, M.; Milosz, E.; Muryjas, P.

Author Affiliation: Dept. of Comput. Sci., Lublin Tech. Univ., Poland

Conference Title: MS'99. International Conference on Modelling and Simulation. Proceedings Part vol.1 p.263-72 vol.1

Publisher: Univ. de Santiago de Compostela, Santiago de Compostela, Spain

Publication Date: 1999 Country of Publication: Spain 2 vol.(v+460+iii+168) pp.

ISBN: 84 699 0452 3 Material Identity Number: XX-1999-01585

Conference Title: Proceedings of International Conference on Modelling and Simulation

Conference Date: 17-19 May 1999 Conference Location: Santiago de Compostela, Spain

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: Present tendencies in logistics systems building-reducing the **time** -limit of deliveries and **information** technology utilisation-are analysed in this paper. Both are closely connected with each other. A simulation model of logistics systems consisted of n echelons was elaborated. A dynamics of two media, materials and information, was included in the model. Processes of these media flow in the system are getting slower thanks to various factors. System delays depend on the organisation of information and transport subsystems. There were analysed typical four-echelon networks for various parameters of information and transport system for improving total dynamic performance. The two-phase method of parameter optimisation is presented in this paper. **Efficiency** of a logistics system can be **estimated** from two viewpoints: particular element and whole network. Keeping the continuity goods deliveries to the **market** and global costs of network functioning are the most important criteria in a global optimisation. Several integral and peaks criteria were defined as a measure of a global quality of logistics systems. The application of presented method makes possible to improve the dynamical properties of logistics systems. (12 Refs)

Subfile: C

Descriptors: optimisation; **stock** control

Identifiers: industrial dynamics model; logistics system parameter optimisation; logistics systems building; delivery time-limit reduction; information technology utilisation; IT utilisation; system delays; information subsystem organisation; transport subsystem organisation; four-echelon networks; parameter optimisation

Class Codes: C1290F (Systems theory applications in industry); C1180 (Optimisation techniques)

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12/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6777886 INSPEC Abstract Number: B2001-01-6120D-070, C2001-01-1260C-065

Title: New public-key cryptosystem using braid groups

Author(s): Ki Hyoung Ko; Sang Jin Lee; Jung Hee Cheon; Jae Woo Han; Ju-Sung Kang; Choonsik Park

Author Affiliation: Dept. of Math., Korea Adv. Inst. of Sci. & Technol.,

Seoul, South Korea

Conference Title: Advances in Cryptology - CRYPTO 2000. 20th Annual International Cryptology Conference. Proceedings (Lecture Notes in Computer Science Vol.1880) p.166-83

Editor(s): Bellare, M.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 2000 Country of Publication: Germany xi+543 pp.

ISBN: 3 540 67907 3 Material Identity Number: XX-2000-02242

Conference Title: Advances in Cryptology - CRYPTO 2000

Conference Sponsor: Int. Assoc. Cryptologic Res. (IACR); IEEE Comput. Soc. Tech. Committee on Security & Privacy; et al

Conference Date: 20-24 Aug. 2000 Conference Location: Santa Barbara, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: The braid groups are infinite non-commutative groups naturally arising from geometric braids. The aim of this article is twofold. One is to show that the braid groups can serve as a good source to enrich cryptography. The features that make the braid groups useful to cryptography include the following: (i) the word problem is solved via a fast algorithm which **computes** the canonical form which can be **efficiently** manipulated by computers; (ii) the group operations can be performed **efficiently**; (iii) the braid groups have many mathematically hard problems that can be utilized to design cryptographic primitives. The other aim is to propose and implement a new key agreement scheme and public key cryptosystem based on these primitives in the braid groups. The efficiency of our systems is demonstrated by their **speed** and **information** rate. The **security** of our systems is based on topological, combinatorial and group-theoretical problems that are intractable according to our current mathematical knowledge. The foundation of our systems is quite different from widely used cryptosystems based on number theory, but there are some similarities in design. (37 Refs)

Subfile: B C

Descriptors: combinatorial mathematics; group theory; public key cryptography; topology

Identifiers: public key cryptosystem; braid groups; infinite non-commutative groups; geometric braids; cryptography; word problem; group operations; key agreement scheme; information rate; **security**; topological problems; combinatorial problems; group-theoretical problems

Class Codes: B6120D (Cryptography); B0210 (Algebra); B0250 (Combinatorial mathematics); C1260C (Cryptography theory); C1110 (Algebra); C1160 (Combinatorial mathematics)

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12/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6772612

Title: Improving efficiency without disrupting patient care

Author(s): Blaschka, S.

Author Affiliation: Eye Clinic of Wisconsin, Wausau, WI, USA

Journal: Health Management Technology vol.21, no.10 p.58

Publisher: Nelson Publishing,

Publication Date: Oct. 2000 Country of Publication: USA

CODEN: HMTEE2 ISSN: 0745-1075

SICI: 0745-1075(200010)21:10L:58:IEWD;1-6

Material Identity Number: C274-2000-010

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Eye Clinic of Wisconsin offers the medical and vision services of nine medical doctors and three optometrists, with a support staff of 120 in eight facilities throughout central Wisconsin. We were significantly challenged by the need to replace our clinic's aging IT infrastructure without risking a communication breakdown or the loss of patient records for the 20,000 patients we service every month. Our selection criteria focused on system flexibility and **response time**. We needed a vendor who could supply the cutting-edge technology we required to complete our day-to-day business transactions. After **determining** that outsourcing was the **efficient** option, we selected the ASP services of The TriZetto(R) Group Inc., one of the reasons being we were already using their services. Their ASP services give us access to pre-integrated, best-of-class, **security** -compliant business applications on a cost-effective, subscription basis. The Virtual Information Officer/sup SM/ service gives us access to key strategic personnel without having to pay the high cost of informatics salaries. (0 Refs)

Subfile: D

Descriptors: health care; outsourcing

Identifiers: Eye Clinic of Wisconsin; patient records; ASP services; The TriZetto Group; outsourcing; Virtual Information Officer

Class Codes: D2060 (Health care); D5000 (Office automation - computing)

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12/5/4 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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6232391 INSPEC Abstract Number: B1999-06-7260D-006

Title: LED backlight for LCDs

Author(s): Yamada, F.; Sakaguichi, Y.

Author Affiliation: Tokyo Res. Lab., IBM Res., Yamato, Japan

Conference Title: 1998 SID International Symposium. Digest of Technical Papers. Vol. 29 p.149-52

Publisher: Soc. Inf. Display, Santa Anaheim, CA, USA

Publication Date: 1998 Country of Publication: USA xxiv+1269 pp.

Material Identity Number: XX-1998-02746

U.S. Copyright Clearance Center Code: 0098-0966X/98/2901-0149-\$1.00+.00

Conference Title: Proceedings of SID'98. International Symposium

Conference Date: 17-22 May 1998 Conference Location: Anaheim, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: Cold cathode type fluorescent lamp is widely used for color AM-LCD back light because of its high efficiency. Recently, high efficiency blue and green LED are become available in the **market**, which has better color purity than that of fluorescent lamp. In this paper, we studied their potential for the use of LCD back light. LED back light has an advantage of **response time** over conventional fluorescent lamps especially when considering color sequential display or moving image quality improvement. Power **efficiency**, and spectra of blue, green, red, and white fluorescent lamps and blue, green, red LEDs were **measured**, and driving current ratio of each color LEDs, power **efficiency**, optical power output and brightness of the LED backlight were simulated assuming the white LED backlight has a same chromaticity as that of conventional fluorescent lamp. (2 Refs)

Subfile: B

Descriptors: brightness; fluorescent lamps; LED displays; light sources; liquid crystal displays; spectrophotometry

Identifiers: LED backlight; LCD; fluorescent lamp; color AM-LCD back light; efficiency; green LED; blue and green LED; **response time**; color sequential display; image quality; power efficiency; photodiode;

spectrophotometry

Class Codes: B7260D (Display characteristics); B4150D (Liquid crystal devices); B4260D (Light emitting diodes); B7320P (Optical variables measurement)

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12/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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6225313 INSPEC Abstract Number: B1999-05-6210R-069, C1999-05-6130M-037

Title: Market -based application QoS control: implementation tradeoffs

Author(s): Yamaki, H.; Yamauchi, Y.; Ishida, T.

Author Affiliation: Dept. of Social Inf., Kyoto Univ., Japan

Journal: Transactions of the Information Processing Society of Japan
vol.40, no.1 p.142-9

Publisher: Inf. Process. Soc. Japan,

Publication Date: Jan. 1999 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

SICI: 0387-5806(199901)40:1L:142:MBAC;1-6

Material Identity Number: T205-1999-004

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: We discuss two major tradeoffs, spatial and temporal tradeoffs, that appear when applying **market** -based computing to multimedia network applications. The former appears between computation and communication cost, depending on how computation elements are distributed over the network. The latter appears between reactivity and correctness of result, depending on how the network environment dynamically changes. By implementing a **market** -based resource allocation mechanism to a desktop conferencing system, we clarified that: as for spatial tradeoff, the centralized computation is profitable when the communication cost is extremely large; and that as for temporal tradeoff, the merit to **respond quickly** to the change of the environment by prematurely terminating the computation supersedes the merit to improve the accuracy of the resource allocation by performing the **calculation** until the **market** perfectly clears. It has also been proved that the **market** -based mechanism can achieve **efficient** allocation in an actual network environment. (13 Refs)

Subfile: B C

Descriptors: computer networks; multimedia communication; quality of service; resource allocation; teleconferencing

Identifiers: QoS control; spatial tradeoffs; temporal tradeoffs; **market** -based computing; multimedia network applications; computation cost; communication cost; resource allocation; desktop conferencing system; quality of service

Class Codes: B6210R (Multimedia communications); B6210L (Computer communications); B6210P (Teleconferencing); B6150 (Communication system theory); C6130M (Multimedia); C5620 (Computer networks and techniques)

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12/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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6120379 INSPEC Abstract Number: B1999-02-6210L-035, C1999-02-5620W-011

Title: New design concepts for an intelligent Internet

Author(s): Geng-Sheng-Kuo; Jing-Pei Lin

Author Affiliation: Dept. of Inf. Manage., Nat. Central Univ., Chung-Li,

Taiwan

Journal: Communications of the ACM vol.41, no.11 p.93-8

Publisher: ACM,

Publication Date: Nov. 1998 Country of Publication: USA

CODEN: CACMA2 ISSN: 0001-0782

SICI: 0001-0782(199811)41:11L:93:DCII;1-X

Material Identity Number: C056-1998-012

U.S. Copyright Clearance Center Code: 0001-0782/98/1100\$5.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: New design concepts concerning secure network computing for information service creation emphasizing both **security** and **efficiency** on a future high-speed ATM-based intelligent Internet have been proposed and discussed. A concrete secure RPC framework has already been presented at a conceptual level. In that scheme, client and server authentications are performed by the corresponding server host and client host respectively, and all message transmissions and authentications are achieved through handshaking with encrypted digital signatures. Based on that, a detailed design of secure RPC without both dedicated name server and authentication server has further been proposed in our other work on the subject. In addition, the proofs of our designed protocols and the analyses of related performance considerations have been conducted and documented in our other work for reference. Furthermore, it is our strong belief that the improvements of secure RPC technology have positively affected the advancement and maturity of electronic commerce and business applications of **information** services on the future high- **speed** BISDN-oriented intelligent Internet. (12 Refs)

Subfile: B C

Descriptors: asynchronous transfer mode; business communication; client-server systems; electronic commerce; Internet; protocols; remote procedure calls; **security** of data; telecommunication **security**

Identifiers: secure network computing; information service creation; **security**; efficiency; high-speed ATM-based intelligent Internet; server authentications; client authentications; secure RPC framework; server host; client host; message transmissions; handshaking; encrypted digital signatures; protocols; performance; electronic commerce; business applications; high-speed BISDN-oriented intelligent Internet

Class Codes: B6210L (Computer communications); B6150M (Protocols); B6150C (Communication switching); C5620W (Other computer networks); C6130S (Data security); C0310D (Computer installation management); C5640 (Protocols); C7210N (Information networks); C7100 (Business and administration)

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12/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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6014990 INSPEC Abstract Number: C9810-1290F-055

Title: Stationary policies in multiechelon inventory systems with deterministic demand and backlogging

Author(s): Fangruo Chen

Author Affiliation: Columbia Univ., New York, NY, USA

Journal: Operations Research vol.46, no.3, suppl.is p.S26-34

Publisher: Inst. Oper. Res. & Manage. Sci,

Publication Date: May-June 1998 Country of Publication: USA

CODEN: OPREAI **ISSN:** 0030-364X

SICI: 0030-364X(199805/06)46:3+isL:s26:SPMI;1-S

Material Identity Number: 0012-98005

Language: English **Document Type:** Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: A stationary policy conducts replenishment activities, the placement and fulfilment of orders, in a stationary fashion, i.e., each facility **receives** a constant batch in equal **time** intervals under a stationary policy. Although the advantages of stationary policies are clear, they represent a restriction in policy selection. This paper investigates how costly this restriction can be. For two multiechelon systems (serial and distribution) with **deterministic** demand and backlogging, we show that stationary policies are 70%- **effective**. The numerical examples also suggest that the performance of stationary policies deteriorates in systems where the setup cost decreases dramatically from an upstream stage to a downstream stage. Finally, a key building block of the above results is the existing lower bounds on the average costs of all feasible policies in the above systems. We provide a simpler derivation of these bounds. (17 Refs)

Subfile: C

Descriptors: costing; management; production control; **stock** control

Identifiers: multiechelon inventory systems; deterministic demand; backlogging; stationary policy; replenishment; setup cost; lower bounds; average costs; serial systems; holding costs

Class Codes: C1290F (Systems theory applications in industry); C1290D (Systems theory applications in economics and business)

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12/5/8 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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5992793 INSPEC Abstract Number: C9809-7410F-053

Title: Implementation issues on market -based QoS control

Author(s): Yamaki, H.; Yamauchi, Y.; Ishida, T.

Author Affiliation: Dept. of Social Inf., Kyoto Univ., Japan

Conference Title: Proceedings International Conference on Multi Agent Systems (Cat. No.98EX160) p.357-64

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1998 Country of Publication: USA xviii+487 pp.

ISBN: 0 8186 8500 X Material Identity Number: XX98-01978

U.S. Copyright Clearance Center Code: 0 8186 8500 X/98/\$110.00

Conference Title: Proceedings International Conference on Multi Agent Systems

Conference Date: 3-7 July 1998 Conference Location: Paris, France

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We discuss two major tradeoffs, spatial and temporal tradeoffs, that appear when applying **market** -based computing to multimedia network applications. The former appears between computation and communication cost, depending on how agents are distributed over a network. The latter appears between reactivity and correctness of a result, depending on how the network environment dynamically changes. By implementing a **market** -based resource allocation mechanism to a desktop conferencing system, we clarified that: as for spatial tradeoff the centralized computation becomes profitable in proportion to the number of clients; and that as for temporal tradeoff the merit to **respond quickly** to the change of the environment by prematurely terminating the computation supersedes the merit to improve the accuracy of the resource allocation by performing the **calculation** until the **market** perfectly clears. It has also been proved that the **market** -based mechanism can achieve **efficient** allocation in an actual network environment. (12 Refs)

Subfile: C

Descriptors: cooperative systems; multimedia systems; resource allocation

; software agents; teleconferencing

Identifiers: **market** -based QoS control; **market** -based quality of service control; spatial tradeoffs; temporal tradeoffs; **market** -based computing; multimedia network applications; computation cost; communication cost; software agents; **market** -based resource allocation; desktop conferencing system

Class Codes: C7410F (Communications computing); C6130M (Multimedia); C7104 (Office automation); C6170 (Expert systems); C1230 (Artificial intelligence)

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12/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5854882 INSPEC Abstract Number: C9804-6130S-031

Title: Immediacy in distributed trusted systems

Author(s): Grossman, G.

Author Affiliation: Cordant Inc., Reston, VA, USA

Conference Title: Proceedings. 11th Annual Computer Security Applications Conference p.75-9

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1995 Country of Publication: USA xxii+269 pp.

ISBN: 0 8186 7159 9 Material Identity Number: XX96-00049

U.S. Copyright Clearance Center Code: 1063-9527/95/\$4.00

Conference Title: Proceedings of 11th Annual Computer Security Applications Conference

Conference Sponsor: Appl. Comput. Security Associates

Conference Date: 11-15 Dec. 1995 Conference Location: New Orleans, LA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Every trusted system maintains a database of protection-critical information upon which the implementation of the **security** -enforcing functions depends. "Immediacy", a **measure** of the **latency** between the time at which an authorized administrator initiates a modification to this protection-critical **information** and the **time** at which the modification takes place, is a matter of concern in the design and evaluation of trusted systems. This concern can be seen in the official interpretations of the Trusted Computer System Evaluation Criteria (TCSEC). The interpretations regarding immediacy all appear to have been considered in the context of systems in which the TCB (trusted computer base) consists of a single body of co-located hardware and software. In the context of reliable distributed systems, it is not clear what "immediate" can mean, particularly in the case of enterprise networks. This paper explores the reconciliation of the realities of reliable trusted systems with the current interpretations of the TCSEC. (11 Refs)

Subfile: C

Descriptors: distributed processing; **security** of data

Identifiers: immediacy; distributed trusted systems; protection-critical information modification; **security** -enforcing functions; **latency measure** ; authorized administrator; Trusted Computer System Evaluation Criteria; TCSEC; trusted computer base; colocated hardware/software; reliable distributed systems; enterprise networks

Class Codes: C6130S (Data security); C6150N (Distributed systems software)

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12/5/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC
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5798976 INSPEC Abstract Number: B9802-6120B-081, C9802-6130S-047

Title: Interactive identification schemes based on the discrete logarithm problem over a field

Author(s): Nishioka, M.

Author Affiliation: Syst. Dev. Lab., Hitachi Ltd., Yokohama, Japan

Journal: Electronics and Communications in Japan, Part 3 (Fundamental Electronic Science) vol.80, no.10 p.60-77

Publisher: Scripta Technica,

Publication Date: Oct. 1997 Country of Publication: USA

CODEN: ECJSER ISSN: 1042-0967

SICI: 1042-0967(199710)80:10L:60:IISB;1-R

Material Identity Number: N562-97015

U.S. Copyright Clearance Center Code: 1042-0967/97/100060-18

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Various zero-knowledge identification schemes have been proposed up to now. Of these, zero-knowledge identification schemes based on a discrete logarithm problem over a field like the Beth scheme can accomplish sufficient **security** with a limited amount of prover secret **information** and communication **time** between the prover and the verifier, unlike the Fiat-Shamir scheme. This is because these schemes can reduce the false-right probability per round. However, some exponential calculations that are time-consuming appear in the authentication protocol of zero knowledge identification schemes based on the discrete logarithm problem over a field. Consequently, for **efficient** authentication it is necessary to decrease the number of exponential **calculations** in the authentication protocol. We first show that it is possible to decrease the number of exponential calculations in the authentication protocol of the Beth scheme by modifying the ElGamal signature scheme, which is utilized to construct the Beth scheme. (For convenience, we have called the Beth scheme, and the modified identification scheme, identification scheme 1 and identification scheme 2, respectively.) Second, we give the lower bound for the exponential calculation number $\chi / \text{sub } X, Y, \Omega$ / which represents the number of exponential calculations in the authentication protocol of the identification and discrete-logarithm-based interactive identification scheme (X, Y, Ω) that is a generalized concept for identification scheme 1 and identification scheme 2, when (X, Y, Ω) satisfies a certain **security** condition. (8 Refs)

Subfile: B C

Descriptors: cryptography; identification; message authentication; protocols

Identifiers: interactive identification schemes; discrete logarithm problem; zero-knowledge identification; Beth scheme; **security** ; authentication protocol; ElGamal signature scheme; exponential calculations

Class Codes: B6120B (Codes); B6150M (Protocols); C6130S (Data security); C5640 (Protocols)

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12/5/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC
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5698433 INSPEC Abstract Number: C9710-6150N-088

Title: InVerse: Designing an interactive universe architecture for scalability and extensibility

Author(s): Singhal, S.K.; Nguyen, B.Q.; Redpath, R.; Nguyen, J.; Fraenkel, M.

Author Affiliation: IBM Thomas J. Watson Res. Center, Yorktown Heights, NY, USA

Conference Title: Proceedings. The Sixth IEEE International Symposium on High Performance Distributed Computing (Cat. No.97TB100183) p.61-70

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA xiii+377 pp.

ISBN: 0 8186 8117 9 Material Identity Number: XX97-02263

U.S. Copyright Clearance Center Code: 1082-8907/97/\$10.00

Conference Title: Proceedings. The Sixth IEEE International Symposium on High Performance Distributed Computing (Cat. No.97TB100183)

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed Process.; HPDC Lab. Syracuse Univ.; Oregon State Univ.; Portland State Cabletron Syst

Conference Date: 5-8 Aug. 1997 Conference Location: Portland, OR, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Faster networks, faster processors, and standardized protocols have enabled the emergence of interactive applications running over commercial networks such as the Internet. In such applications, multiple users interact with one another by exchanging real-time information such as user position and orientation in a virtual world, live and recorded audio, video, and text. These applications include interactive shopping, team training, virtual meeting rooms, and multi-player games. However, to date, these interactive systems have supported a limited number of information types, offered limited scalability, and have failed to account for a heterogeneous network and processor environment. In this paper, we describe the design and implementation of InVerse, an infrastructure that supports real-time interactive applications on the Internet. InVerse provides a common backplane for disseminating and managing multiple real-time data streams. Within this general-purpose structure, the InVerse system maximizes scalability by implementing a hybrid communications architecture that adapts itself to available network bandwidth, observed network latency, installed network security measures, and available services such as multicast. (19 Refs)

Subfile: C

Descriptors: interactive systems; Internet; real-time systems

Identifiers: InVerse; interactive universe architecture; scalability; extensibility; Internet; interactive systems; real-time interactive applications; common backplane; real-time data streams; InVerse system; hybrid communications architecture

Class Codes: C6150N (Distributed systems software); C6180 (User interfaces); C5620W (Other computer networks)

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12/5/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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5686196 INSPEC Abstract Number: C9710-6110B-027

Title: Applying software product-line architecture

Author(s): Dikel, D.; Kane, D.; Ornburn, S.; Loftus, W.; Wilson, J.

Journal: Computer vol.30, no.8 p.49-55

Publisher: IEEE Comput. Soc,

Publication Date: Aug. 1997 Country of Publication: USA

CODEN: CPTRB4 ISSN: 0018-9162

SICI: 0018-9162(199708)30:8L:49:ASPL;1-S

Material Identity Number: C125-97008

U.S. Copyright Clearance Center Code: 0018-9162/97/\$10.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Many organizations today are investing in software product-line architecture-for good reason: a well-executed architecture enables organizations to **respond quickly** to a redefined mission or to new and changing **markets**. It allows them to accelerate the introduction of new products and improve their quality, to reengineer legacy systems, and to manage and enhance the many product variations needed for international **markets**. However, technically excellent product line architectures do fail, often because they are not effectively used. Some are developed but never used; others lose value as product teams stop sharing the common architecture; still others achieve initial success, but fail to keep up with a rapidly growing product mix. Sometimes the architecture deterioration is not noticed at first, masked by what appears to be a productivity increase. To learn what factors **determine** the **effective** use of software architecture, the authors looked at Nortel (Northern Telecom), a company with nearly 20 years of experience developing complex software architecture for telecommunications product families. They identified six principles that help reduce the complexity of an evolving family of products and that support and maintain the effective use and integrity of the architecture. (10 Refs)

Subfile: C

Descriptors: human resource management; software engineering; telecommunication computing

Identifiers: software product-line architecture; organizations; legacy system reengineering; redefined mission; accelerated product introduction; quality improvement; international **markets**; product variations; architecture deterioration; productivity; Nortel; telecommunications product families

Class Codes: C6110B (Software engineering techniques); C7410F (Communications computing)

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12/5/13 (Item 13 from file: 2)

DIALOG(R) File 2:INSPEC

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5591249 INSPEC Abstract Number: C9707-1290F-039

Title: Design the scheduling of a FMS in a JIT environment

Author(s): Sanchez, J.L.; Gomez, A.; Del Olmo, R.

Author Affiliation: Valladolid Univ., Spain

Conference Title: Proceedings of the First International Workshop on Approximate Reasoning in Scheduling. ARS '97 p.53-9

Editor(s): Slany, W.

Publisher: ICSC Academic Press, Zurich, Switzerland

Publication Date: 1997 Country of Publication: Switzerland 73 pp.

ISBN: 3 906454 02 9 Material Identity Number: XX97-00223

Conference Title: Proceedings of ARS '97: 1st International Workshop on Approximate Reasoning in Scheduling

Conference Date: 11 Feb. 1997 Conference Location: Zurich, Switzerland

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: Flexible manufacture systems provide companies with capable, automatic processes for producing a great variety of different products. An adequate production planning system will permit one to optimize the production, obtaining better response times of the machines, and also smaller unit costs and greater quality of the produced pieces. In the production planning system, one of the most complex processes is the scheduling and sequencing of the operations that should be realized in each moment and machine. The current job scheduling methods are based on the

optimization of certain **efficiency measures** that try to minimize or maximize a given index. In the vast literature on scheduling the majority of these methods have used a forward point of view, so the work is started as soon as possible for completion as soon as possible. The problem is that in a lot of situations this view will not be the most suitable, although it will procure the optimum of a certain **efficiency measure** and will also generate important inventories of finished and in-process pieces. The cost of storing the remaining **stock** will be important. The authors examine the problem of production scheduling in a FMS with the objective of eliminating, or reducing, each inventory in the productive system. The previous ideas are in conformity with JIT concepts. They try to design the scheduling of a FMS in order to deal with the demands of customers just in time. (9 Refs)

Subfile: C

Descriptors: computer aided production planning; flexible manufacturing systems; optimisation; production control; **stock** control

Identifiers: JIT environment; flexible manufacture systems; FMS; job scheduling; production planning system; optimized production; machine **response time**; unit costs; produced piece quality; sequencing; **efficiency measure**; **stock** storage cost; inventory; just in time; customer demands

Class Codes: C1290F (Systems theory applications in industry); C7480 (Production engineering computing)

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12/5/14 (Item 14 from file: 2)

DIALOG(R) File 2:INSPEC

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5544566 INSPEC Abstract Number: B9705-6200-012

Title: Benchmarking product development

Author(s): Ogawa, D.; Ketner, L.

Author Affiliation: Pittiglio Rabin Todd & McGrath, Costa Mesa, CA, USA

Journal: Telephony vol.232, no.4 p.34-6, 38

Publisher: Intertec Publishing,

Publication Date: 27 Jan. 1997 Country of Publication: USA

CODEN: TLPNAS ISSN: 0040-2656

SICI: 0040-2656(19970127)232:4L:34:BPD;1-8

Material Identity Number: T177-97008

U.S. Copyright Clearance Center Code: 0040-2656/97/\$2.50+00.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Service providers traditionally have not viewed the process of developing new products and services as a core competency. Effective product development, however, has become a strategic weapon in providing **speed** and flexibility to **respond** to dynamic **market** conditions, incorporate new technologies and adjust to changing customer needs. To keep pace with competition in such a demanding environment, companies need a way to **measure** and assess their performance against competitors. Until recently **measures** to gauge **effectiveness** of product development performance have not existed. (0 Refs)

Subfile: B

Descriptors: marketing; product development; telecommunication services

Identifiers: benchmarking; service providers; **market** conditions; competition; product development performance

Class Codes: B6200 (Telecommunication)

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12/5/15 (Item 15 from file: 2)
DIALOG(R)File 2:INSPEC
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5522632 INSPEC Abstract Number: C9704-7120-039

Title: Information presentation format, degree of information processing, and decision quality

Author(s): Bricker, R.; Nehmer, R.

Journal: Advances in Accounting Information Systems vol.3 p.3-29

Publisher: JAI Press,

Publication Date: 1995 Country of Publication: UK

Material Identity Number: G088-97001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The study extends the work of MacKay and Villareal (1987), Moriarity (1979), Smith and Taffler (1984), and **Stock** and Watson (1984) on the value of presenting accounting information in a graphic format. Specifically, the effects of presentation format (numeric versus tabular) and degree of **information** processing on decision accuracy and **speed** are isolated and tested. Also, speed/accuracy tradeoffs are explored using a **measure** of **efficiency**. In the experiment, undergraduate business students were divided into four treatment groups: a raw numeric format, a processed numeric format, a processed bar graph format, and a processed facial image format. Subjects were presented with financial ratio information for pairs of firms for three years and asked to choose the firm with the largest ratios for the three years. The results showed that increased processing of information improved decision accuracy but that a graphic presentation format did not. Assessments of facial image results revealed that subjects gave different weights to individual features. There was also an ordering between decision speed and the "object-like" quality of the presentation format, consistent with Amer (1991, 1989): that is, graphic presentation formats resulted in better speed. Finally, graphic presentation formats also tended to score higher on a simple **measure** of **efficiency** (accuracy/time-to-complete). The results suggest that degree of information processing is a principal component to decision accuracy and that presentation format is a principal component to decision speed. (28 Refs)

Subfile: C

Descriptors: accounts data processing; business graphics; decision support systems

Identifiers: information presentation format; information processing; decision quality; accounting information presentation; graphic format; decision accuracy; decision speed; processed bar graph format; processed facial image format; raw numeric format; processed numeric format; financial ratio information; firms; efficiency

Class Codes: C7120 (Financial computing); C6130B (Graphics techniques); C7102 (Decision support systems)

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12/5/16 (Item 16 from file: 2)
DIALOG(R)File 2:INSPEC
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5520960 INSPEC Abstract Number: B9704-6210L-072, C9704-5620-027

Title: Managing convergence-the fast route to openness

Author(s): Thompson, J.E.

Conference Title: IEE Colloquium on Emerging Interactive Multimedia Services (Ref. No.1997/025) p.4/1-6

Publisher: IEE, London, UK

Publication Date: 1997 Country of Publication: UK 70 pp.
Material Identity Number: XX97-00429
Conference Title: IEE Colloquium on Emerging Interactive Multimedia Services (Ref. No.1997/025)
Conference Sponsor: IEE
Conference Date: 29 Jan. 1997 Conference Location: London, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)

Abstract: The convergence of **computing** communications and consumer electronics offers enormous opportunity for industrial growth, for **efficiency** generally in the management of complexity, and for new creativity in social and entertainment pursuits. The **market** for "communicating information technology" is already said to be worth \$1 trillion per annum and we cannot fail to be aware of the tremendous technology push in the global search for new multimedia applications. However, convergence also brings confusion between the different industries and their respective cultures, and between their traditional methods of achieving standardisation. The Digital Audio-Visual Council, DAVIC, is one of few fully global and cross industrial organisations which is succeeding to manage convergence. DAVIC was registered in Switzerland as a non-profit, limited liability company in mid 1994. Within a year it was demonstrating a unique "converged industry culture" and had already created a novel System Reference Model and a pan industry language with which to discuss and define interfaces and the protocols which pass across them. DAVIC has ably demonstrated the **speed** of **response** of a technology driven industry to preserve openness while moving from an initial preoccupation with trials of Video on Demand to a realisation of its ability to supply the Internet **market** with a capability for high quality and real time interactive services. Its interoperable specifications aim to provide for reduced risk for manufacturers and operators alike in introducing advanced digital audio-visual services. (3 Refs)

Subfile: B C

Descriptors: audio-visual systems; DP industry; interactive television; multimedia systems; open systems

Identifiers: computing communications; consumer electronics; industrial growth; entertainment pursuits; communicating information technology; multimedia applications; technology convergence management; Digital Audio-Visual Council; DAVIC; cross industrial organisations; Switzerland; converged industry culture; novel System Reference Model; pan industry language; protocols; technology driven industry; openness; Video on Demand; Internet **market**; real time interactive services; interoperable specifications; digital audio-visual services

Class Codes: B6210L (Computer communications); B6420 (Radio and television broadcasting); B6430 (Television equipment, systems and applications); B6210R (Multimedia communications); C5620 (Computer networks and techniques); C6130M (Multimedia); C7250 (Information storage and retrieval); C0200 (General computer topics)

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12/5/17 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5455431 INSPEC Abstract Number: B9702-2250-004

Title: **A technology-, cost- and time-based comparison of MCM substrate alternatives based on an international survey**

Author(s): Meyer, S.; Steck, D.

Author Affiliation: Inst. for Manage. & Bus. Eng., Eidgenossische Tech. Hochschule, Zurich, Switzerland

Conference Title: 1995 Japan IEMT Symposium. Proceedings of 1995 Japan International Electronic Manufacturing Technology Symposium (Cat. No.95CH35994) p.83-8

Publisher: IEEE, New York, NY, USA

Publication Date: 1996 Country of Publication: USA xvi+480 pp.

ISBN: 0 7803 3622 4 Material Identity Number: XX96-01389

Conference Title: Proceedings of 1995 Japan International Electronic Manufacturing Technology Symposium

Conference Sponsor: Steering Committee of 1995 Japn IEMT Symposium; IEEE Tokyo Sect.; Tokyo Chapter of IEEE CPMT Soc.; Found. Adv. Int. Sci.; IEICE; IEE of Japan; Microelectron. Soc.-Japan; Japan Inst. Interconnecting & Packaging Electron. Circuits; Soc. Instrum. & Control Eng.; Japan Soc. Precision Eng.; Japan Welding Soc.; Japan Technol. Transfer Assoc.; Japan Electron. Mater. Soc.; Japan Soc. Applied Phys.; Soc. Polymer Sci., Japan; Japan Inst. Metals; Ceramic Soc. Japan; Optoelectron. Ind. & Technol. Dev. Assoc.; Electrochem. Soc. Japan; IEEE Electron. Device Soc. Tokyo Chapter; SEMI, Japan; LEOS-Laser Opt. Soc. Tokyo Chapter

Conference Date: 4-6 Dec. 1995 Conference Location: Omiya, Japan

Language: English Document Type: Conference Paper (PA)

Treatment: Economic aspects (E); General, Review (G)

Abstract: Multichip module (MCM) technology is widely known to close the gap between conventional printed circuit board (PCB) assembly and wafer scale integration (WSI). Numerous papers have discussed the improvements in terms of size and weight reduction, higher clock rates, lower power consumption, etc., that can be achieved by the use of MCM technology. Since MCMs come in a vast variety of different substrates, interconnection technologies and packaging solutions it is very difficult to select the best MCM configuration for a given application. In every single case trade-off decisions with regard to technical properties cost, and time to **market** must be made. This paper discusses the results of an international MCM survey carried out at the Swiss Federal Institute of Technology in Zurich (ETH Zurich). Besides the technical properties of various MCM substrates, the survey also covers cost and **time to market** related **information**. The paper provides a comparison of the various MCM substrates currently available. The relationship between certain technical parameters considering the different substrate technologies is outlined. In addition, cost data derived by a state-of-the-art product sample provided by the participating companies are included in these examinations. To take into account the time to **market** aspects a substrate cycle time analysis as well as a packaging cycle time analysis has been performed. The **effectiveness** of different **measures** to shorten MCM development as seen by the industry is compiled. (2 Refs)

Subfile: B

Descriptors: multichip modules; substrates

Identifiers: technology; cost; MCM substrate; international survey; time to **market**; cycle time analysis; packaging

Class Codes: B2250 (Multichip modules); B0170J (Product packaging)

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12/5/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

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5353605 INSPEC Abstract Number: C9610-7140-007

Title: Los Angeles Free Net: an experiment in interactive telecommunication between lay members of the Los Angeles community and health care experts

Author(s): Bluming, A.; Mittelman, P.S.

Author Affiliation: Univ. of Southern California, Encino, CA, USA

Journal: Bulletin of the Medical Library Association vol.84, no.2
p.217-22

Publisher: Med. Libr. Assoc,
Publication Date: April 1996 Country of Publication: USA
CODEN: BMLAAG ISSN: 0025-7338
SICI: 0025-7338(199604)84:2L:217:AFEI;1-Y
Material Identity Number: B768-96002
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: The Los Angeles Free-Net, an interactive community information resource, was established in part to help community members become more effective consumers of health care services. By providing timely, expert answers to anonymously asked medical questions at no charge, we hope to decrease unnecessary physician-patient encounters, encourage **effective** preventive health **measures**, and improve the overall results of health care in our community. Although it is too early to assess health care benefits from this system, the following observations may help guide the development of similar systems around the nation: (1) a small annual registration fee generates both moral and financial public support; (2) demographic information from registered users can help direct attempts at enfranchising all members of the community; (3) toll free access, free public instruction sessions, moderated forums, extensive volunteer help, and encryption **security** are encouraged, while Internet censorship is difficult and counterproductive; (4) access to Internet resources is important, but the strength of a community system lies primarily in the sharing of expertise and resources among members of the community; (5) a critical mass of available physicians to answer questions must be matched with a critical level of question input for this type of interactive medical **information** resource to function in a **time** sensitive fashion. .
(21 Refs)

Subfile: C

Descriptors: health care; information services; Internet; internetworking ; medical administrative data processing; public administration

Identifiers: Los Angeles Free Net; interactive telecommunication; Los Angeles community; health care experts; interactive community information resource; community members; health care services; medical questions; physician-patient encounters; preventive health measures; health care benefits; annual registration fee; financial public support; demographic information; toll free access; free public instruction sessions; encryption **security** ; Internet censorship; Internet resources; interactive medical information resource

Class Codes: C7140 (Medical administration); C7130 (Public administration); C5620W (Other computer networks); C7210 (Information services and centres)

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12/5/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

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5118725 INSPEC Abstract Number: B9601-2570A-007

Title: Monitoring and predicting defect densities in a high volume manufacturing facility for increasing yields

Author(s): Baxter, M.L.

Conference Title: IEE Colloquium 'Improving the Efficiency of IC Manufacturing Technology' (Digest No.1995/153) p.6/1-3

Publisher: IEE, London, UK

Publication Date: 1995 Country of Publication: UK 60 pp.

Conference Title: IEE Colloquium 'Improving the Efficiency of IC Manufacturing Technology' (Digest No.1995/153)

Conference Sponsor: IEE

Conference Date: 12 April 1995 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: As integrated circuit (IC) **market** requirements drive technology advance within the semiconductor manufacturing sector, reuse of available high yielding established processes is a cost **effective** method of achieving a **quick response** to **market** requirements. Defect density numbers are regularly **calculated** for different products as a monitor of process and product performance. For new product introductions to an established process flow, the defect density target is usually assumed to be close to other products running on the same process. To give a better indication of expected defect density, modelling was performed on volume production over several months. Inline defectivity monitor data was extracted along with final-yield results for several products running on one established flow. Mask area data was also extracted for each layer and for critical areas. Critical area data was determined by performing boolean operations on mask layers. This modelling highlighted a method of being able to predict a more accurate defect density number for a new product and in addition could be used to specify the allowed percentage of killer defects at automatic inspection steps within the process flow, per product.

(0 Refs)

Subfile: B

Descriptors: integrated circuit yield; semiconductor process modelling

Identifiers: defect densities; yields; integrated circuits; semiconductor manufacturing; process flow; modelling; critical area; killer defects; automatic inspection; volume production; inline monitoring; mask area; Boolean operations

Class Codes: B2570A (Integrated circuit modelling and process simulation)
; B0170E (Production facilities and engineering)

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12/5/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

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5101468 INSPEC Abstract Number: B9512-6250F-077, C9512-5630-007

Title: Airdisks and airRAID: modeling and scheduling periodic wireless data broadcast

Author(s): Jain, R.; Werth, J.

Author Affiliation: Bellcore, Morristown, NJ, USA

Journal: Computer Architecture News vol.23, no.4 p.23-8

Publication Date: Sept. 1995 Country of Publication: USA

CODEN: CANED2 ISSN: 0163-5964

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: A new generation of low-cost, low-power, and portable personal computer systems is emerging; sometimes these are referred to as palmtops or personal digital assistants (PDAs). One of their key features is that they utilize wireless communication media, thus freeing the user from the constraints of wired or tethered communication. In fact, the wireless medium becomes a critical component of the I/O subsystem, allowing communication with fixed servers and other users. In particular, the broadcast nature of the wireless medium can be exploited to efficiently transmit information required by a large number of PDA users (e.g. **stock** quotes, sports updates, etc.), with software on the PDA being used to filter the information and present only the information of interest to the PDA user. We introduce a simple model, called the airdisk, for modeling the access of data transmitted periodically over wireless media as being analogous to the access of data from a standard magnetic disk. We consider

several issues related to airdisks, such as their mean rotational **latency** under certain assumptions. The problem of scheduling the order in which data items are broadcast is analogous to that of **determining** how data should be laid out on the disk. Two problems of laying out data so as to minimize read **time**, given **information** about which data items are of most interest to the clients, are defined; both are shown to be NP-complete. We discuss ways in which the information about which items are of interest to clients can be obtained. Finally we consider how to increase the performance and storage capacity of airdisks, using the magnetic disk analogy as a guide. We suggest using multiple-track airdisks or borrowing the idea of redundant arrays of inexpensive disks (RAID) which is used for magnetic disks; for the wireless data broadcast environment we call the latter approach airRAID. (16 Refs)

Subfile: B C

Descriptors: client-server systems; data communication; mobile communication; notebook computers; scheduling; wireless LAN

Identifiers: airRAID; airdisks; periodic wireless data broadcast scheduling; periodic wireless data broadcast modelling; portable personal computer systems; palmtops; personal digital assistants; wireless communication media; I/O subsystem; fixed servers; information transmission; software; information filtering; data access; standard magnetic disk; mean rotational latency; minimized read time; data items; NP-complete problems; clients; storage capacity; performance

Class Codes: B6250F (Mobile radio systems); B6210L (Computer communications); C5630 (Networking equipment); C6150N (Distributed systems software); C5620L (Local area networks)

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12/5/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

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5100724 INSPEC Abstract Number: C9512-6110B-034

Title: Parallel software engineering - Goals 2000

Author(s): Murphy, C.

Author Affiliation: Accord Solutions Inc., San Diego, CA, USA

Conference Title: Proceedings. Nineteenth Annual International Computer Software and Applications Conference (COMPSAC'95) (Cat. No.95CB35838) p. 93-4

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1995 Country of Publication: USA xviii+431 pp.

ISBN: 0 8186 7119 X

U.S. Copyright Clearance Center Code: 0730-3157/95/\$04.00

Conference Title: Proceedings Nineteenth Annual International Computer Software and Applications Conference (COMPSAC'95)

Conference Sponsor: IEEE Comput. Soc

Conference Date: 9-11 Aug. 1995 Conference Location: Dallas, TX, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The challenge of parallel software engineering is to provide predictable and **effective** products and processes for a new breed of application. To do this, parallel **computing** must apply to all concurrent application types. Assured delivery and predictable **time response** are the metrics to determine success. In addition, high integrity factors (availability, reliability, **security** and graceful reaction to changes) are necessary. Infrastructure and life cycle support issues are important to consider when creating large scale information and command and control systems. The approach is to define an encompassing engineering process that accounts for quantitative and predictive measures of **time response**,

integrity and application complexity. (3 Refs)

Subfile: C

Descriptors: distributed databases; parallel programming; software development management; software fault tolerance; software reliability

Identifiers: parallel software engineering; concurrent application types; predictable **time response** ; integrity factors; availability; reliability ; **security** ; life cycle support issues; command and control systems; large scale information systems; application complexity; **time response**

Class Codes: C6110B (Software engineering techniques); C6110P (Parallel programming); C0310F (Software development management); C6160B (Distributed databases)

Copyright 1995, IEE

12/5/22 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4664977 INSPEC Abstract Number: B9406-7210B-014, C9406-7410H-044

Title: Some advantages of automated measurements

Author(s): Instone, I.

Author Affiliation: Hewlett-Packard Ltd., South Queensferry, UK

Conference Title: IEE Colloquium on 'Automation in Electrical Measurement' (Digest No.1993/229) p.1/1-3

Publisher: IEE, London, UK

Publication Date: 1993 Country of Publication: UK 20 pp.

Conference Title: IEE Colloquium on 'Automation in Electrical Measurement' (Digest No.1993/229)

Conference Sponsor: IEE

Conference Date: 30 Nov. 1993 Conference Location: London, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); General, Review (G)

Abstract: Automated measurements are performed using a variety of equipment which varies in complexity from a 'simple' digital voltmeter connected to a printer right up to complex ATE (automatic test equipment) occupying several racks and capable of performing several sets of related measurements at the same **time** . ATE systems have evolved in **response** to an ever more competitive **market** -place enabling fewer and lesser skilled people to perform more tasks more **effectively** . Another of the principle strengths of ATE systems is the ability to perform vast quantities of sophisticated (and possibly tedious) **measurements** by simply adding a few additional lines of code to the program. Whilst this produces an ideal situation because each additional measurement performed reduces the risk of a potentially 'defective' product passing through it will, if allowed to run unchecked, eventually impose its own limits upon the quantity of products being tested and sold. To address this, the test process and the quantity of measurements performed need to be reviewed periodically to ensure that both productivity and quality targets continue to be achieved. These principles are illustrated using an example. (0 Refs)

Subfile: B C

Descriptors: automatic test equipment; computerised instrumentation

Identifiers: automated measurements; digital voltmeter; automatic test equipment; ATE systems

Class Codes: B7210B (Automatic test and measurement systems); C7410H (Instrumentation)

12/5/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4626580 INSPEC Abstract Number: C9405-1290F-001

Title: A heuristic for cyclic stochastic sequencing of tasks on a drum-like storage system

Author(s): Abdel-Malek, L.; Chi Tang

Author Affiliation: Div. of Ind. & Manage. Eng., New Jersey Inst. of Technol., Newark, NJ, USA

Journal: Computers & Operations Research vol.21, no.4 p.385-96

Publication Date: April 1994 Country of Publication: UK

CODEN: CMORAP ISSN: 0305-0548

U.S. Copyright Clearance Center Code: 0305-0548/94/\$6.00+0.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: Drum-like auxiliary storage is a major component of many of today's industrial systems. It is defined as the space where items or **information** are kept for easy and **quick** access through a specific delivery point. One of the most essential performance **measures** of these systems is the access time needed to fulfil an order (**latent** time). Critical to reducing this time is the assignment of items or data to the available locations in the auxiliary storage space. Stochastic cyclic sequencing of tasks in auxiliary drum-like storage systems is a frequently encountered problem. It occurs in automated storage and retrieval systems, tool magazines of machining centers, turret lathes, and multi-spindle drill presses. In this paper, we model the problem as a quadratic assignment problem and introduce heuristic procedures for sequencing these types of systems. The proposed procedures combine constructive heuristics and simple interchange algorithms to obtain optimum or near optimum conditions. Numerical results show that the developed procedures yield satisfactory estimates for the optimal solution. (33 Refs)

Subfile: C

Descriptors: heuristic programming; scheduling; stochastic processes; **stock** control

Identifiers: heuristic procedures; cyclic stochastic task sequencing; auxiliary drum-like storage systems; automated storage and retrieval systems; tool magazines; machining centers; turret lathes; multi-spindle drill presses; quadratic assignment problem; numerical results; optimal solution; delivery point; latent time; access time; available locations

Class Codes: C1290F (Industry)

12/5/24 (Item 24 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4579177 INSPEC Abstract Number: A9405-8670L-001, B9403-7230J-002

Title: Whole cell biosensors for environmental monitoring

Author(s): Atkinson, A.L.; Haggett, B.G.D.

Author Affiliation: Res. Centre, Luton Univ., UK

Journal: Sensor Review vol.13, no.4 p.19-22

Publication Date: 1993 Country of Publication: UK

CODEN: SNRVDY ISSN: 0260-2288

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Biosensors are chemical sensors with a biological component which is normally used to impart selectivity to the sensor. Such devices have been under development for more than 20 years. Most particularly, the clinical and health care **markets** have been addressed since these were seen as being both large and lucrative. However, in recent years the development of sensors for environmental monitoring has received impetus from the increasing public awareness of "green" issues and consequent

burgeoning of legislative requirements. Whole cell biosensors-particularly those containing microbial cells-are described here. Such sensors are particularly suited to **measuring** environmental parameters since microorganisms can be selected from the environment and rapid, cost-effective methods of monitoring their activity can provide **information** which is difficult, **time** consuming and/or expensive to obtain by other methods. Researchers from the University of Luton have been developing these biosensors for measuring toxicity in a range of applications. This is an instance where chemical measurements alone cannot give an accurate assessment, since toxicity embraces a host of environmental parameters, and traditional ecotoxicological techniques are often long-winded, require a deal of expertise and are often expensive consequently, such tests are not carried out as often as might be desirable. (0 Refs)

Subfile: A B

Descriptors: biosensors; chemical sensors; monitoring; pollution detection and control

Identifiers: whole cell biosensors; environmental monitoring; chemical sensors; biological component; clinical; health care **markets**; green issues; legislative requirements; microbial cells; microorganisms; University of Luton; toxicity

Class Codes: A8670L (Measurement techniques and instrumentation); B7230J (Biosensors)

12/5/25 (Item 25 from file: 2)

DIALOG(R) File 2:INSPEC

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4484299 INSPEC Abstract Number: B9311-8110-005, C9311-7410B-008

Title: Fast voltage estimation using an artificial neural network (power systems)

Author(s): Yuan-Yih Hsu; Chien-Chun Yang

Author Affiliation: Dept. of Electr. Eng., Nat. Taiwan Univ., Taipei, Taiwan

Journal: Electric Power Systems Research vol.27, no.1 p.1-9

Publication Date: May 1993 Country of Publication: Switzerland

CODEN: EPSRDN ISSN: 0378-7796

U.S. Copyright Clearance Center Code: 0378-7796/93/\$6.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: Fast estimation of bus voltages is important for contingency analysis and **security** assessment of a power system. In this paper, an approach based on artificial neural networks (ANNs) is presented to **estimate** bus voltages in a very **efficient** manner. In the design of the ANN, a set of system variables which affect bus voltages most are first selected as the inputs to the ANN using an entropy function. A number of training patterns are then created to train the ANN. The resultant ANN is applied to estimate bus voltages following an outage event in a 30 bus system and in the Taiwan power system. Since accurate bus voltage predictions can be achieved very quickly by the proposed method, it is expected that the developed ANN can provide valuable **information** for operators in real- **time** system operation. (40 Refs)

Subfile: B C

Descriptors: learning (artificial intelligence); neural nets; parameter estimation; power system analysis computing; real-time systems

Identifiers: power system analysis computing; design; bus voltages; contingency analysis; **security** assessment; artificial neural networks; parameter estimation; entropy function; training; AI; outage; Taiwan; real-time; electrical faults

Class Codes: B8110 (Power systems); C7410B (Power engineering); C5290 (

Neural computing techniques)

12/5/26 (Item 26 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04194486 INSPEC Abstract Number: C9208-7480-082

Title: An intelligent knowledge-based solid modelling system for the advanced design and development of food extrusion dies

Author(s): Dore, A.M.; Sharp, J.M.

Author Affiliation: Dept. of Aeronaut. & Mech. Eng., Salford Univ., UK

Conference Title: 7th International Conference on Computer-Aided Production Engineering p.401-7

Editor(s): Venkatesh, V.C.; McGeough, J.A.

Publisher: Elsevier, Amsterdam, Netherlands

Publication Date: 1991 Country of Publication: Netherlands xii+593

pp.

ISBN: 0 444 89214 1

Conference Date: 13-14 Aug. 1991 Conference Location: Cookeville, TN, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: **Effective** and **efficient** design and development of production dies for cooker extruders has become a crucial issue in **determining** the ability of food manufacturers to **respond quickly** to changing **market** requirements for novel interestingly-shaped products. Typical products include breakfast cereals and crisp-like snacks. The **market** life of a given product is becoming shorter as one fashion is surpassed by another. This in turn implies that the production of extruded products is changing from high-volume continuous to low-volume batch-like continuous. To facilitate this, the duration associated with the engineering of dies must be as short as possible. This paper describes the current methods for the design and development of dies for a cooker extruder including the conventional application of CAD/CAM. It discusses the intelligent design and manufacturing of an extruder die based on the input of a conceptual solid model, which represents a desired product. The paper introduces a research project to develop a knowledge-based die design tool. It describes the development of a prototype tool using a specific combination of CAD package and AI environment. Finally, the paper briefly discusses the symbolic representation of die orifice geometry and some of the fundamental rule-based adjustments that are anticipated in order to produce a resultant die. (11 Refs)

Subfile: C

Descriptors: CAD/CAM; engineering graphics; extrusion; food processing industry; geometry; knowledge based systems; solid modelling; symbol manipulation

Identifiers: low volume batch like continuous production; intelligent knowledge-based solid modelling system; food extrusion dies; cooker extruders; **market** requirements; interestingly-shaped products; CAD/CAM; CAD package; AI environment; symbolic representation; die orifice geometry; rule-based adjustments

Class Codes: C7480 (Production engineering); C6170 (Expert systems); C6130B (Graphics techniques)

12/5/27 (Item 27 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03925871 INSPEC Abstract Number: B91046473, C91049814

Title: Get your ONA data on a diskette

Author(s): Kevin, R.; Mathis, T.

Author Affiliation: US West Commun., Phoenix, AZ, USA

Journal: Telephony vol.220, no.16 p.26, 29

Publication Date: 22 April 1991 Country of Publication: USA

CODEN: TLPNAS ISSN: 0040-2656

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Product Review (R)

Abstract: Open network architecture services wire center deployment diskettes provide enhanced services providers (ESPs) with **information** quickly and **efficiently**. With this **information** computerized, an ESP now can select a given service and the computer will **determine** immediately what wire centers and switches can technically support it. If more information is needed for one or more wire centers, detailed reports showing service and network information also can be obtained. Reports can be generated showing ONA service deployment by region, **market** area, wire center and individual switches within a wire center. (0 Refs)

Subfile: B C

Descriptors: information services; magnetic disc storage; open systems; telecommunication services; telecommunications computing

Identifiers: open network architecture services; ONA data; diskette; enhanced services providers; switches; network information; ONA service deployment; region; **market** area; center

Class Codes: B6210 (Telecommunication applications); C7410F (Communications); C7210 (Information services and centres)

12/5/28 (Item 28 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03470958 INSPEC Abstract Number: B89060251, C89063931

Title: Computer system for estimation of reliability of automatic control systems

Author(s): Luft, M.; Lukasik, Z.

Author Affiliation: Inst. of Autom., Tech. Univ., Radom, Poland

Conference Title: RELECTRONIC '88. 7th Symposium on Reliability in Electronics p.388-95 vol.1

Publisher: Hiradatechnikai Tudomanyos Egyesulet, Budapest, Hungary

Publication Date: 1988 Country of Publication: Hungary 2 vol. xvi+826 pp.

Conference Sponsor: Hungarian Acad. Sci

Conference Date: 29 Aug.-2 Sept. 1988 Conference Location: Budapest, Hungary

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Automatic control systems are systems which work on the basis of computer analysing, in real **time**, **information** from objects and surroundings. In such complicated systems it is necessary to find **effective** methods for **estimating** reliability which can guarantee the safety and **security** of the system. The authors present a solution for the reliability of an automatic control system. Control algorithms are realised and with the use of high quality diagnostic structures the reliability can be calculated. (5 Refs)

Subfile: B C

Descriptors: control system analysis computing; reliability

Identifiers: control algorithms; computer system; control system analysis computing; reliability; automatic control systems; safety; **security**; diagnostic structures

Class Codes: B0170N (Reliability); C7420 (Control engineering); C1310 (Analysis and synthesis methods)

12/5/29 (Item 29 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03263401 INSPEC Abstract Number: D89000017

Title: Managing with the PC edge (security management)

Author(s): Liscouski, R.P.

Journal: Security Management vol.32, no.10 p.59-63

Publication Date: Oct. 1988 Country of Publication: USA

CODEN: SECME6 ISSN: 0145-9406

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Every **security** manager has wide-ranging responsibilities, mismanagement of which could have a disastrous effect on his department's operation. Four personal **computing** tools can not only assist his performance and **effectiveness**, but also help him manage critical success factors (CSFs). By identifying relevant information needs and applying technology to assist in managerial decision making, he will have more accurate and up-to-date **information** and more **time** to spend on CSFs. The four tools are (i) spreadsheet programs to assist with budgeting, (ii) data base management systems to provide needed information, (iii) graphics capabilities to enhance training, and (iv) communications capabilities to increase and organize information flow. (1 Refs)

Subfile: D

Descriptors: budgeting; business graphics; database management systems; decision support systems; spreadsheet programs

Identifiers: **security** management; personal computing tools; critical success factors; information; decision making; CSFs; spreadsheet programs; budgeting; data base management systems; graphics; training; communications

Class Codes: D2010 (Business and professional)

12/5/30 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03085281 INSPEC Abstract Number: C88019539

Title: An evaluation of two new inference control methods

Author(s): Chin, Y.H.; Peng, W.-L.

Author Affiliation: Inst. of Comput. & Decision Sci., Nat. Tsing Hua Univ., Hsinchu, Taiwan

Journal: IEEE Transactions on Software Engineering vol.SE-13, no.12 p.1329-39

Publication Date: Dec. 1987 Country of Publication: USA

CODEN: IESEDJ ISSN: 0098-5589

U.S. Copyright Clearance Center Code: 0098-5589/87/1200-1329\$01.00

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: An evaluation method is developed to **measure** the cost-**effectiveness** of two inference methods. The factors of the evaluation function consist of: preparation cost for the control method; query complexity; and **security** level under various attacks. The first control method is based on restriction, and the second on perturbation. Simulation results indicate that both methods have higher preparation cost, better **security**, and faster **response time** than L.H. Cox's method (1980) and L.L. Beck's method (1980). Finally, these two methods are compared to each

other. In general, the control methods based on restriction have higher preparation cost and better **security**, and the control methods based on perturbation have fast **response time** for a query, but more **information** leak. (35 Refs)

Subfile: C

Descriptors: database management systems; database theory; **security** of data

Identifiers: statistical databases; inference control; preparation cost; query complexity; **security**; restriction; perturbation; control methods

Class Codes: C4250 (Database theory); C6160 (Database management systems (DBMS))

12/5/31 (Item 31 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03042175 INSPEC Abstract Number: C88007698

Title: Performance of small computers in finite element analysis pre- and post-processing

Author(s): MaiTan, J.; Kamel, H.A.

Author Affiliation: Dept. of Aerosp. & Mech. Eng., Arizona Univ., Tucson, AZ, USA

Journal: Journal of the Aeronautical Society of India vol.37, no.4 p.311-19

Publication Date: Nov. 1985 Country of Publication: India

CODEN: JANIAC ISSN: 0001-9267

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The paper examines the performance of small computers in a finite element environment. It addresses itself to a multi-processing system, whether single or multi-user. Small computers of this type have become increasingly available on the **market**. Typical finite element oriented procedures such as mesh generation, stiffness assembly and decomposition were carefully timed as individual or concurrent processes. The results show that for a relatively small number of active processes the time taken by the computer changes linearly with the number of processes being run concurrently. In addition, a nonlinear operating system overhead has been observed. Its magnitude **measures** the **efficiency** of the operating system multi-processing ability. The paper does not attempt to assess the **efficiency** of a specific system or provide general criteria, but rather demonstrates how the capability of a multi-processing system may be estimated. Specific details about the computer and operating system are given only when necessary to understand issues related to the attempted evaluation. (17 Refs)

Subfile: C

Descriptors: computer aided analysis; finite element analysis; microcomputer applications; multiprocessing systems; operating systems (computers); parallel programming

Identifiers: performance; **response time**; small computers; finite element analysis; multi-processing system; mesh generation; stiffness assembly; decomposition; concurrent processes; nonlinear operating system overhead

Class Codes: C4170 (Differential equations); C5470 (Performance evaluation and testing); C6150J (Operating systems); C7400 (Engineering)

12/5/32 (Item 32 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02941286 INSPEC Abstract Number: D87002168

Title: Coopers' savings plan for computer users (information systems)

Author(s): Tutt, N.

Journal: AA, Accountancy Age Supplement p.20-4

Publication Date: June 1987 Country of Publication: UK

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Coopers and Lybrand aim to become big movers in the computer capacity planning **market** through a link-up with a Belgian software specialist, the European Software Company (TESC). The deal will allow Coopers to offer their clients significant savings on **computing** costs through more **efficient** implementations or by squeezing more out of existing systems. The agreement with TESC allows Coopers to use the software house's capacity management facilities software on studies. This is expected to bring the average timescale down from eight or nine months to a more manageable two or three. CMF operates like many modelling packages through a series of menus and tabulated reports. Instead of pounds sterling, units of production and profit margins the output is in terms of **response time** for a particular input/output device and batch workloads. Using CMF, Coopers can offer thoroughly analysed options to clients on what will improve the performance of their computer and when upgrades can be most cost effective.. (0 Refs)

Subfile: D

Descriptors: computer evaluation; computer maintenance; software packages

Identifiers: CMF software; performance improvement; savings plan; computer users; information systems; Coopers and Lybrand; computer capacity planning; Belgian software specialist; European Software Company; TESC; computing costs; capacity management facilities software; modelling packages; menus; tabulated reports; **response time** ; analysed options

Class Codes: D1000 (General & Management aspects); D5000 (Office automation - computing)

12/5/33 (Item 33 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02900343 INSPEC Abstract Number: B87038956

Title: Implementation of optical interconnections for VLSI

Author(s): Wu, W.H.; Bergman, L.A.; Johnston, A.R.; Guest, C.C.; Esener, S.C.; Yu, P.K.L.; Feldman, M.R.; Lee, S.H.

Author Affiliation: Jet Propulsion Lab., California Inst. of Technol., Pasadena, CA, USA

Journal: IEEE Transactions on Electron Devices vol.ED-34, no.3 p. 706-14

Publication Date: March 1987 Country of Publication: USA

CODEN: IETDAI ISSN: 0018-9383

U.S. Copyright Clearance Center Code: 0018-9383/87/0300-0706\$01.00

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Experimental (X)

Abstract: Four areas are covered: the holographic optical element (HOE), the laser sources, the detectors and associated circuits forming an optically addressed gate, and interconnection experiments in which five gates are actuated from one source. A laser scanner system with a resolution of $12 \mu m \times 20 \mu m$ has been utilized to generate the HOEs. Diffraction **efficiency** of the HOE and diffracted spot size have been **measured**. **Stock** lasers have been modified with a high-frequency package for interconnect experiments, and buried heterostructure fabrication techniques have been pursued. Measurements have been made on the fabricated

photodetectors to determine dark current, **responsivity** and **response time**. The optical gates and the overall chip have been driven successfully with an input light beam, as well as with the optical signal interconnected through the one to five hologram. (17 Refs)

Subfile: B

Descriptors: holographic optical elements; integrated circuit technology; integrated optoelectronics; photodetectors; semiconductor junction lasers; VLSI

Identifiers: diffraction efficiency; optical interconnections; VLSI; holographic optical element; laser sources; optically addressed gate; laser scanner system; diffracted spot size; buried heterostructure fabrication techniques; photodetectors; dark current; responsivity; **response time**

Class Codes: B2570 (Semiconductor integrated circuits); B4270 (Integrated optoelectronics); B4320J (Semiconductor junction lasers); B4350 (Holography); B7230C (Photodetectors)

12/5/34 (Item 34 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02521266 INSPEC Abstract Number: C85044087

Title: Work standards for variable time tasks; a material flow model

Author(s): Riaz Khan, M.; Ducharme, R.E.

Author Affiliation: Dept. of Manage., Lowell Univ., MA, USA

Journal: Material Flow vol.2, no.2-3 p.133-41

Publication Date: July 1985 Country of Publication: Netherlands

CODEN: MATFD9 ISSN: 0167-1936

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Theoretical (T)

Abstract: A simple mathematical model which incorporates both time studies and work sampling is developed. The model allows the determination of standards for variable workload environments such as the picking of raw materials, semi-finished- or finished-goods by using an adjustable standard for each work assignment. The focus of this paper is a model which will estimate the time required to complete a picking cycle in a computerized **market** or distribution warehouse. It considers four tie components: load time, travel time, indirect time, and rest/personal/delay time, and it uses an empirical study to set the values of certain parameters. A requirement for the application of this model is a computer system which can generate single or multiple kits or order lists by location and bin. Management **information** provided by automatic comparison of **time estimates** with actual times could allow control of labor utilization. This control is the basis of increasing **effective** capacity and operating **efficiency** in warehouse or storage operations. (14 Refs)

Subfile: C

Descriptors: computerised materials handling; scheduling; **stock** control

Identifiers: materials handling; raw material picking; variable time tasks; material flow model; work sampling; work assignment; load time; travel time; indirect time; delay time; warehouse; storage operations

Class Codes: C1290F (Industry); C3320 (Materials handling)

12/5/35 (Item 35 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02300497 INSPEC Abstract Number: C84037128, D84002160

Title: How to deal with 'technostress'

Author(s): Brod, C.

Journal: Office Administration and Automation vol.45, no.8 p.28-30,
46-7

Publication Date: Aug. 1984 Country of Publication: USA

CODEN: OAAUDF ISSN: 0745-4325

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Technostress is a condition resulting from the inability of an individual or organization to adapt to the introduction and operation of new technology. Important variables affecting the probability of technostress are the age of the user, past experience with technology, perceived control over new tasks, job **security**, and also the attitude of management toward implementation. Technostress has a negative impact on human performance by shifting attention from work-congruent stress to internal states of distress, by reducing the ability to process **information** accurately, slowing the **response time** to computer generated demands, and by breaking up natural work-rest pauses that characterize normal work patterns. Technostress can exist throughout the office. It is detected by noting centralized patterns of use, blocked communication, high error rates, and excessively long learning cycles. By following the right strategy and integrating personal beliefs, it is possible to **determine** performance and resolve problems early, and to promote the **effective** use of technology. (0 Refs)

Subfile: C D

Descriptors: management; office automation

Identifiers: technostress; job **security**; management; human performance; error rates; learning cycles

Class Codes: C0310 (EDP management); D1000 (General & Management aspects)

12/5/36 (Item 36 from file: 2)

DIALOG(R) File 2:INSPEC

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01784330 INSPEC Abstract Number: C82003282

Title: Stochastic modeling of facility security -systems for analytical solutions

Author(s): Doyon, L.R.

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Journal: Computers & Industrial Engineering vol.5, no.2 p.127-38

Publication Date: 1981 Country of Publication: UK

CODEN: CINDDL ISSN: 0360-8352

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: In this paper the author presents a modeling approach which makes use of conventional systems engineering techniques; namely, system block diagrams and networks where the transfer functions are expressed in the complex domain using Laplace transforms. Transit times, and times for the intruders and the responding guard force to overcome barriers, are both static and dynamic; the times are either **deterministic** or probabilistic variables obeying different and mixed probability laws. The solution methods are analytical, yielding **measures** of **effectiveness** of the **security** system. Modeling and solutions are presented for two cases. One case is for the simplified scenario where the reliability, sensitivity and response times of the sensors are assumed to be independent of time. The other is for the generalized case where sensor **response** times are **time** dependent and where the guard force encounters multiple barriers when attempting to intercept the intruders. (6 Refs)

Subfile: C

Descriptors: operations research
Identifiers: stochastic modelling; facility **security** -systems; systems engineering; sensor response times; guard; barriers; intruders
Class Codes: C1290F (Industry)

12/5/37 (Item 37 from file: 2)
DIALOG(R)File 2:INSPEC
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01085842 INSPEC Abstract Number: C77019412

Title: Simulating the consumption of gasoline

Author(s): Wong, E.; Venegas, E.C.; Antiporta, D.B.
Author Affiliation: Minnesota Energy Agency, St. Paul, MN, USA
Journal: Simulation vol.28, no.5 p.145-52
Publication Date: May 1977 Country of Publication: USA
CODEN: SIMUA2 ISSN: 0037-5497
Language: English Document Type: Journal Paper (JP)
Treatment: Economic aspects (E); Theoretical (T)

Abstract: The study uses econometric models to estimate the parameters of gasoline demand. The first model relates gasoline consumption directly to income and price variables. The second model takes account of the **market** split between small and large cars, as well as the fuel- **efficiency** rating for each car type. Gasoline consumption is indirectly **estimated** through the relationship of vehicle miles traveled and price of gasoline and income. Both models allow for behavioral changes over **time** so that long-term **response** is greater than short-term response. Both models were fitted to Minnesota data and used to simulate future consumption under alternative price, income, and fuel efficiency scenarios. The effects of income level dominate the effects of price level in both models. Consequently, changes in real income level are important for forecasting future energy demands for automobiles in the state. (31 Refs)

Subfile: C

Descriptors: automobiles; economic cybernetics; parameter estimation
Identifiers: econometric models; gasoline demand; fuel efficiency; price level; energy demands; automobiles
Class Codes: C1220 (Simulation, modelling and identification); C1290D (Economics and business)

12/5/38 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01794365 ORDER NO: AADAA-I9933079

THE IMPACT OF USDA "CATTLE ON FEED" REPORTS ON THE CATTLE MARKET

Author: DHUYVETTER, KEVIN CHARLES
Degree: PH.D.
Year: 1999
Corporate Source/Institution: KANSAS STATE UNIVERSITY (0100)
Major Professor: TED SCHROEDER
Source: VOLUME 60/06-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2149. 141 PAGES
Descriptors: ECONOMICS, AGRICULTURAL ; POLITICAL SCIENCE, GENERAL
Descriptor Codes: 0503; 0615

Bridge forecasts of the information contained in the USDA <italic>Cattle on Feed</italic> (<italic>COF</italic>) report (cattle on feed, placements, and marketings) from 36 private industry analysts and a composite forecast were evaluated to **determine** an appropriate proxy for

anticipated information. The majority of forecasts were unbiased and nearly all were **efficient**. Unbiasedness and **efficiency** were rejected most often for marketings forecasts and least often for placements forecasts. The composite forecast was biased, but efficient for all variables forecasted. The composite forecast was generally superior to forecasts of individual analysts as well as forecasts from an autoregressive model and thus was used as a proxy for anticipated information.

The majority of individual analysts provided statistically similar forecasts. However, some analysts' forecasts were superior and others were inferior relative to other analysts. Also, some analysts were superior at forecasting some variables but not others indicating they have a comparative advantage in what they forecast. Several analysts provided extreme (high or low) forecasts more often than randomly expected. This may be done to draw attention to their firms because extreme forecasts typically were associated with relatively inaccurate forecasts. However, one analyst that provided extreme forecasts more often than randomly expected was relatively accurate suggesting that particular firm may have superior information to other firms. These results suggest it may be possible to construct an alternative composite forecast that is superior to the composite forecast reported by Bridge.

Live cattle and feeder cattle futures price changes were examined following the release of the *COF* report to determine if the report has value by providing new information to the **market**. The live cattle futures **market** was found to significantly respond to unanticipated information in the *COF* report pertaining to placements and marketings but not to cattle on feed. All significant responses to this information were incorporated in the first two days following the report indicating the **market** reacts **quickly** to new **information**. After accounting for changes in the live cattle **market**, the feeder cattle futures **market** still responded to unanticipated information in the *COF* report indicating the report has additional value to the feeder cattle **market**.

12/5/39 (Item 2 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online
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01745527 ORDER NO: AADAA-I0801513

Rapid machine tool design

Author: Hochmuth, Carsten Alexander Christoph

Degree: Ph.D.

Year: 1999

Corporate Source/Institution: Massachusetts Institute of Technology (0753)

Supervisor: Alexander H. Slocum

Source: VOLUME 61/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2719.

Descriptors: ENGINEERING, MECHANICAL

Descriptor Codes: 0548

Rapid Machine Tool Design encompasses new materials and manufacturing and design processes that increase the speed and flexibility of the machine tool development process. Rapid design implies increased concurrency and overlap of design process steps, and it allows a **quick** and efficient **response** to **market** opportunities for new types of components or machinery. Rapid manufacturing implies use of new materials with reduced lead times for tooling and 'one-off' components, simplified and **deterministic** processes and cost **effective** methods for customization and modular system design.

This thesis describes design and manufacturing methods for polymer concrete structures in precision machine tools. The focus is on the modularity and unique capabilities of this process for rapid development of manufacturing equipment. Detailed material properties and process descriptions are presented. Traditionally, only the polymer concrete casting process is described, and the thesis expands on the discussion by reviewing the design process and other phases of the full machine tool life cycle. An understanding of the critical factors in the material composition and processing helps the designer understand possible variations in the polymer concrete mechanical properties and quality.

This thesis contributes to the body of work on polymer concrete by providing a detailed guide for designing structural components, with analytical tools were applicable and examples from an actual machine design project. This thesis presents a comprehensive set of new design guidelines on how to build polymer concrete parts and tooling, merging the needs of the machine designer and the tooling builder.

The thesis also presents a case study of a complete machine tool design with a polymer concrete structure. Methods and guidelines described in this thesis are successfully applied in the development and manufacture of the machine tool. The case study and the design chapters demonstrate that use of polymer concrete can be an enabling element for rapid machine tool design. (Copies available exclusively from MIT Libraries, Rm. 14-0551, Cambridge, MA 02139-4307. Ph. 617-253-5668; Fax 617-253-1690.)

12/5/40 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online
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01744437 ORDER NO: AADAA-I9970407

On the informational content of implied volatility

Author: Sosa, Juan Carlos

Degree: Ph.D.

Year: 2000

Corporate Source/Institution: Boston College (0016)

Adviser: Eric Jacquier

Source: VOLUME 61/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1970. 105 PAGES

Descriptors: ECONOMICS, FINANCE

Descriptor Codes: 0508

ISBN: 0-599-75377-3

Previous literature examines whether the volatility estimates implicit in option prices constitute accurate forecasts of future volatility for the underlying asset. Most studies address two questions. Do Black-Scholes implied volatilities predict future volatilities? Do they incorporate all past **time series information**? The empirical answers to both questions are conflicting. However, previous studies typically find that implied volatilities overestimate future volatilities. Christensen & Prabhala (98) provide evidence of a structural shift in the pricing mechanism of OEX options around the Crash of '87. In contrast with the pre-Crash results of Canina & Figlewski (93), CP show that after the Crash implied volatilities predict future volatilities and dominate moving average forecasts. They also show that implied volatilities are unbiased, and that errors-in-variables is responsible for previous bias findings.

The objective of this dissertation is fourfold. First, we implement encompassing regressions on a recent sample of OEX options. Our full-sample findings are consistent with other studies that support the informational efficiency of implied volatilities in recent years. However, the regressions are very sensitive to the degree of moneyness of implied volatility. Furthermore, we find that the degree of predictive power of

implied volatility is strongly time-frame dependent. Second, we show that implied volatilities do overestimate realized volatilities and that CP's unbiasedness finding is due to an ill choice of instrument, in addition to a low test power. Third, we attempt to correct for potential misspecification in the encompassing regressions and find that lagged implied volatility is important. Yet, we show that the significance of lagged implied volatility is not a symptom of **market** inefficiency, but of skewness-related model error in implied volatility **estimates**. Finally, we assess the economic value of informational **efficiency** via a trading analysis, and find it to be quite limited. In summary, we find that at-the-money implied volatilities are biased estimators of realized volatility, that they suffer from substantial model error; that their predictive power is time-frame dependent, and that moving average estimators perform just as well from an economic point of view.

12/5/41 (Item 4 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online
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01703601 ORDER NO: AAD99-31691

ESSAYS ON THE EFFICIENCY OF FORWARD CURRENCY MARKETS : UNBIASEDNESS, ORTHOGONALITY, AND BEHAVIOR POST-1973 (INTERNATIONAL FINANCIAL MARKETS , EXCHANGE RATES, MARKET EFFICIENCY)

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Degree: PH.D.

Year: 1999

Corporate Source/Institution: THE OHIO STATE UNIVERSITY (0168)

Adviser: PAUL EVANS

Source: VOLUME 60/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1691. 151 PAGES

Descriptors: ECONOMICS, FINANCE ; ECONOMICS, THEORY

Descriptor Codes: 0508; 0511

Rational expectations and simple **market** efficiency imply forward rate unbiasedness to predict the future spot rate, and unpredictability of forward speculative returns. Log-level (LL) regressions of future spot rates on current forward rates support unbiasedness, while forward discount (FD) regressions of spot change on lagged forward premium strongly reject it. FD slopes are often significantly negative, which is known as the forward bias puzzle. Also, forward speculative returns are apparently not orthogonal to **information** available at the **time** investors engage in forward contracts.

Typical regression tests of unbiasedness and orthogonality neglect statistical properties of the data, namely non-stationarity and cointegration. Such omissions can bias **estimation** and inference. I study to what extent such econometric biases account for deviations from forward **market efficiency**, within a simple international asset-pricing model. For this, I examine data for nine OECD currencies during the present float. I can overturn results for four of the currencies. Overall, deviations from informational efficiency exist but are smaller than commonly believed.

My first essay shows that incorporation of forward rate error-correction dynamics can explain FD negative slopes, either as a statistical artifact or by making the joint spot/forward dynamics consistent with exchange rate overshooting. In no case the forward rate was weakly exogenous, as implicitly assumed in the literature. However, even assuming forward rate exogeneity, FD regressions are misspecified. Once corrected, they yield slopes significantly positive but between zero and one.

My second essay applies endogenous structural-break tests, suitable

for I(1) variables, to study LL and FD regression slopes over time. Bootstrap methods approximate finite-sample empirical distributions of the statistics for inference. LL slopes are fairly stable while FD slopes are not. LL slopes show a tendency towards unbiasedness in forward **markets**. FD slopes become less negative over time, contrary to Barnhart & Szakmary (1991).

My third essay tests speculative return orthogonality with Campbell & Dufour (1995) non-parametric tests. The tests allow for fat tails, and feedback between the error term and future values of explanatory variables. Such feedback biases orthogonality tests in finite samples. I find that in four out of nine currencies, orthogonality cannot be rejected.

12/5/42 (Item 5 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online
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01656794 ORDER NO: AAD99-00281

EXECUTIVE COMPENSATION FOLLOWING A DECLINE IN THE INVESTMENT OPPORTUNITY SET

Author: ABBOTT, LAWRENCE JAMES

Degree: PH.D.

Year: 1998

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Source: VOLUME 59/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2592. 75 PAGES

Descriptors: BUSINESS ADMINISTRATION, ACCOUNTING ; ECONOMICS, FINANCE ;
BUSINESS ADMINISTRATION, GENERAL

Descriptor Codes: 0272; 0508; 0310

This paper examines executive compensation structure following a decline in the investment opportunity set (IOS). Previous theoretical literature, as well as previous cross-sectional empirical research by Gaver and Gaver (1993) and Baber, Janakiraman and Kang (1996), suggests firms that have experienced an IOS decline rebalance the incentive compensation structure for its CEOs. More specifically, it is hypothesized that such firms should increase the weight placed on accounting-based performance **measures** and decrease the weight placed on **stock**-based performance **measures** to achieve more **efficient** incentive alignment.

The hypothesis is tested in a time-series setting. I identify 112 firms (83 firms in a reduced subsample) that have experienced two distinct 5-year periods: one with a high IOS, followed by (after a two-year interim period) one with a prolonged decline in that firm's IOS. I then compare the compensation structure response of test firms to a control set of firms which maintained a stable IOS over the same time period.

I find that test firms increased the weight placed on **stock**-based performance measures and decreased the weight placed on accounting-based performance measures after the decline in their IOS. However, I also find that control firms readjusted their weights in a similar fashion and that the response of test firms was not significantly different than that of control firms.

There are two interpretations of the results. One interpretation is there has been a general shift towards **stock**-based performance measures over time. However, why there would be such a time trend remains an empirical issue. A second interpretation is that firms with stagnant or declining investment opportunities take actions to encourage the replenishment or creation of investment opportunities. The second interpretation is partially consistent with the findings of Gaver (1992), who finds that firms with stagnant investment opportunity sets or that are undergoing strategic change are more likely to adopt performance plans.

Gaver (1992) argues that performance plans do not have the short-term orientation that typical accounting-based bonus plans do and allow the CEO the time horizon necessary to make strategic changes (whose impact would not be immediately reflected in annual accounting earnings). As such, if test firms are undergoing strategic change and if the control set of firms actually proxy for firms with a stagnant IOS, this could also explain why both control and test firms had similar compensation structure **responses** over the same **time** frame.

12/5/43 (Item 6 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01638529 ORDER NO: AAD98-29528
A DIRECT TEST OF EFFICIENCY WAGE THEORY: EVIDENCE FROM THE UNITED STATES AND OTHER OECD COUNTRIES (WAGES, PRODUCTIVITY)
Author: MILLEA, MEGHAN JO
Degree: PH.D.
Year: 1998
Corporate Source/Institution: THE UNIVERSITY OF NEBRASKA - LINCOLN (0138)
Supervisor: SCOTT M. FUESS, JR.
Source: VOLUME 59/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1284. 177 PAGES
Descriptors: ECONOMICS, LABOR
Descriptor Codes: 0510

Traditional wage theory predicts that employers maximize profits by hiring labor up to the point that real wages equal marginal productivity of labor. Increases in productivity will lead to increases in the real wages.

Efficiency wage theory proposes that employers can structure wages to elicit greater effort from employees, implying therefore, that wages drive productivity. Both theories predict positive correlation between wages and productivity, but do not agree on the direction of causation.

My application of Geweke's linear feedback method provides the framework for the first attempt to disentangle the relationship between wages and productivity. The wage to productivity feedback is evidence of efficiency wage theory; the productivity to wage feedback identifies traditional wage behavior.

Other empirical studies of **efficiency** wage theory test corollaries to specific **efficiency** wage models, evaluate wage differentials, or **measure** the wage elasticity of output which provide circumstantial evidence of wage **determination**.

I also use McGarvey's frequency decomposition to evaluate the linear feedback between wages and productivity over different **time** periods. These **feedback** measures show the magnitude, direction, and duration of the wage-productivity relationship, but do not confirm the sign of the feedback. For example, if wages lead productivity, an increase in wages could be leading an increase or a decrease in productivity. In an attempt to sign these feedback measures, I apply Sims' impulse response method. This technique illustrates how changes in wages (productivity) affect the time path of productivity (wages).

I examine the wage-setting process in the U.S. manufacturing sectors using hourly compensation and output per hour. To gain a broader perspective I also analyze the U.S. business sectors. Evidence from the manufacturing and business sectors provide the basis for generalizations to be drawn about wage determination in the U.S.

To gain an international perspective, I also investigate the wage-productivity relationship for several other OECD countries.

Consistency in these results will provide evidence which identifies the roles of each type of wage behavior.

A clear understanding of wage determination is crucial for theoretical and empirical studies and for policy considerations. These results will enhance empirical and theoretical investigations of labor **markets**.

12/5/44 (Item 7 from file: 35)
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01570280 ORDER NO: AAD97-28717

**STAKEHOLDER AND INDUSTRY EFFECTS ON THE LEVEL OF SEGMENT REPORTING
(FINANCIAL STATEMENTS)**

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Major Professor: FRANCES AYRES
Source: VOLUME 58/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 971. 124 PAGES
Descriptors: BUSINESS ADMINISTRATION, ACCOUNTING
Descriptor Codes: 0272

Current segment reporting requirements allow management a large degree of latitude in **determining** the segments reported. This flexibility may allow firms to underreport the results of operations.

Underreporting information prevents investors from **efficiently** allocating resources. Financial statement user groups, such as the Association for Investment Management and Research (AIMR) and the Financial Analysts Federation, have stated that segment disclosure is important to them in their analyses of firms and they are concerned about the level of segment reporting. Two of the primary concerns are that firms do not disaggregate enough to report results for each line of business in which they are engaged and that the reporting levels are inconsistent both across firms and across **time** within firms. In **response** to segment reporting criticism, regulators are in the process of reevaluating disaggregated disclosure regulation.

The concern of underreporting suggests that financial statement users have an expectation of a given firm's level of segment reporting. This study addresses the underreporting concern by developing a measure that captures a firm's level of segment reporting relative to a reasonable expectation for segment reporting given the firm's operations. The concern of inconsistency in segment reporting levels across firms is addressed by identifying stakeholder relations and industry factors affecting firms' chosen levels of segment reporting.

In brief, results show that reliance on the external capital **market** is positively associated with segment reporting levels. Additionally, industry membership, encompassing both herding behaviors and barriers-to-entry effects, are significantly associated with segment reporting levels. The insights gained from information about the current levels of firms' segment reporting as well as influencing factors will aid policy-makers in formulating financial accounting standards that will enhance the informativeness of financial statements.

12/5/45 (Item 8 from file: 35)
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01503118 ORDER NO: AAD96-31370

**MEASURING THE EFFECTIVENESS OF BROCHURES IN TOURISM DESTINATION
MARKETING**

Author: ZHOU, ZONGQING

Degree: PH.D.

Year: 1996

Corporate Source/Institution: MICHIGAN STATE UNIVERSITY (0128)

Source: VOLUME 57/05-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2207. 136 PAGES

Descriptors: RECREATION ; BUSINESS ADMINISTRATION, MARKETING

Descriptor Codes: 0814; 0338

Much of the travel and tourism industry relies on brochures to **market** its products and destinations. Research studies on improving the effectiveness, the design and the use of brochures are, thus, badly needed. A review of the existing literature reveals that effectiveness of brochures has not received enough research attention and the instruments employed in these studies do not adequately address the unique features of brochures and measure their full benefits. Accordingly, the primary objectives of this study included: (1) to define a set of criteria for adequately **measuring the effectiveness** of brochures, (2) to apply these criteria in a case study involving Frankenmuth, Michigan to examine how **effective** brochures are and to identify what factors influence their effectiveness when used in marketing tourism destinations, (3) to identify how lapsed time influences reported trip expenditures, and (4) to examine whether enclosing the previously requested brochure in a brochure study has any effect on respondents' reported impressions and effectiveness of the brochure.

Findings reveal that nearly all respondents read the brochure they received. Consultation of the brochure on site was found to be correlated with reported better trip experiences. About 70% of the respondents had not made their final decisions to visit Frankenmuth at the **time** of requesting **information**. It was also found that the brochure had different influences on first time and repeat visitors. Findings suggest that respondents' recall of their trip expenditures may not be as sensitive to lapsed time as commonly assumed. The memory cue, an enclosed brochure previously requested, however, resulted in respondents' higher ratings of the impressions and effectiveness of the brochure. This study suggests that brochures serve a multitude of purposes in fulfilling different information needs of inquirers and therefore their impacts should be assessed in ways that go beyond simply deriving a conversion rate so that their full benefits to consumers can be truly revealed.

12/5/46 (Item 9 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01490504 ORDER NO: AADAA-I9624571

SWORDS AS PLOWSHARES: THE MILITARY'S ENVIRONMENTAL ROLE (AIR FORCE)

Author: BIDLACK, HAROLD W.

Degree: PH.D.

Year: 1996

Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)

Chair: GREGORY MARKUS

Source: VOLUME 57/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1300. 262 PAGES

Descriptors: POLITICAL SCIENCE, GENERAL ; ENVIRONMENTAL SCIENCES ;
AMERICAN STUDIES

Descriptor Codes: 0615; 0768; 0323

This dissertation examines the conditions under which it is appropriate and likely for US military forces to become involved in helping to solve non-military environmental problems. I hypothesize that the unique tools and talents of the armed forces could prove useful in mitigating many significant environmental challenges. I begin by examining theory on the role of military forces. I conclude that there is theoretical support for broadening the definitions of the terms **national security** and threat to include an environmental **security** component.

I turn to the question of when military forces should be used environmentally, developing some conclusions based on data from three sources: archival (budget data, congressional testimony, and laws and regulations), elite interviews, and case studies. Eleven "maxims" are developed that can serve as guides in environmental policy making. From these maxims, I craft a model that allows decision makers to consider a series of questions to **determine** whether military intervention is appropriate, and whether any such intervention is likely to be **effective**.

The archival evidence traces the evolution in military environmental spending and interest. The interviews included White House and Congressional staff, interest groups, the media, and other activists. The case studies examine three military-environment interactions (the US Air Force Academy, Wurtsmith AFB, and Chernobyl). Each data source supports expanded military environmental action.

Policy makers will make wiser evaluations of the utility of using the military in environmental situations by asking themselves the 11 questions in the decision-making mode developed in this dissertation. These questions include the need for high technology, the importance of great **speed** of **response**, the degree of public support, the quality of existing environmental management system, and the potential for danger to those responding to the environmental emergency.

I conclude that the military can be an important environmental partner and that my model will help decision makers evaluate when the military will be most useful.

12/5/47 (Item 10 from file: 35)

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01422055 ORDER NO: AADAA-I9522451

A LONG-TERM ANALYSIS OF SIGNIFICANT SHARE REPURCHASE ANNOUNCEMENTS: THE RAMIFICATIONS FOR SIGNALING THEORY AND MARKET EFFICIENCY

Author: WAGGLE, JOHN DOUGLAS

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Chairperson: THOMAS W. DOWNS

Source: VOLUME 56/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1062. 127 PAGES

Descriptors: ECONOMICS, FINANCE

Descriptor Codes: 0508

The current consensus of the finance literature is that share repurchase announcements are primarily employed as signals to the **market** that the shares are undervalued. The **market** immediately responds to most share repurchase announcements with positive and significant returns. The primary types of repurchases are fixed-price tender offers, Dutch-auction tender offers, and open- **market** repurchases. The primary objective of this examination was to **determine** if the **market** efficiently valued the informational content of these three types of share repurchase

announcements.

Previous studies had concluded that the initial positive announcement effects were permanent based on only a 60 or 90 day time horizon beyond the events. It would, however, be hasty to conclude that these effects were permanent since this short **time** horizon allowed for little new **information** to be obtained by investors. If the repurchases altered investor perceptions, then some substantial new information would have been required to provoke another valuation shift.

To test whether share repurchase announcements were properly valued, this study examined performance for a period of 36 months after each announcement to allow sufficient **time** for the **market** to **receive** and assimilate new information. Event study methodology was employed using both cumulative abnormal returns and abnormal holding period returns. A matched sample selected based on industry and size, the CRSP value-weighted **market** index, and the CRSP equal-weighted **market** index were used as benchmarks of comparison.

The results suggest that Dutch-auction tender offers may be an efficient usage of funds, but the implications of this observation to the original signaling value assigned by the **market** are mixed. The Dutch-auction firms performed significantly better than the size and industry based matched sample, but not the **market**. Although fixed-price tender offers did not lead to abnormal returns for the group as a whole, there is support for the conclusion that the signaling value of the announcements by small firms was overvalued and vice versa. The signaling value of open- **market** announcements relative to the **market** was clearly overstated, and this was primarily attributable to smallest announcing firms.

12/5/48 (Item 11 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01402997 ORDER NO: AADAA-I9434132

PERFORMANCE ANALYSIS AND PRODUCTIVITY IMPROVEMENT OF FLEXIBLE ASSEMBLY CELLS

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Year: 1994

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Supervisor: JERRY LEE SANDERS

Source: VOLUME 55/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5019. 208 PAGES

Descriptors: ENGINEERING, INDUSTRIAL

Descriptor Codes: 0546

Flexible assembly systems are being developed in response to the fundamental changes in today's manufacturing world--the drastic reduction in product life cycles, the need to **quickly respond** to **market** and design changes, and the global competition. A typical flexible assembly system configuration is multiple flexible assembly cells tended by a few human operators. Each cell consists of an assembly robot, peripheral part feeding equipment, special purpose machines, and sensor mechanisms.

The focus of this research is to develop a consistent methodology for techno-economic analysis of flexible assembly cells and identify methods for productivity improvement of such systems. This research embraces holistic approach towards assembly system analysis.

Economic analysis of flexible assembly cells indicates that these strategically sound systems would be economically viable only if they could

be operated with little or no human supervision. The key to achieve this is to minimize assembly failures and to use automatic error detection and recovery mechanisms.

The two components of this research are system modeling and empirical investigation of the hardware characteristics. We model operations of a single autonomous robotic assembly cell as a continuous time semi-Markov process. We propose and validate an iterative algorithm to estimate operator interference time when a single operator tends to multiple cells.

Experimental studies focus on **estimating** the robot assembly error probabilities and the **effectiveness** of automatic error recovery mechanisms. The results reveal that, "systematic" robot positioning error is more significant than "random" positioning errors. This observation further strengthens the case for the use of automatic error recovery mechanisms. We propose and study four different "search algorithms" to implement "repeated tries", a common error recovery strategy. Results indicate that the compliance of the robot plays a crucial role in determining the success of an assembly operation.

The analytical models and the experimental results culminate in a hybrid modeling methodology for system analysis. The proposed methodology dramatically reduces the total experimental effort and time. We apply this method to design an assembly system for a real product. This case study confirms the applicability of this research and the economic viability of flexible assembly cells.

12/5/49 (Item 12 from file: 35)

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01374894 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.

A RADIAL BASIS FUNCTION APPROACH TO FINANCIAL TIME SERIES ANALYSIS

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Source: VOLUME 55/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1916.

Descriptors: COMPUTER SCIENCE; ECONOMICS, FINANCE; STATISTICS

Descriptor Codes: 0984; 0508; 0463

Billions of dollars flow through the world's financial **markets** every day, and **market** participants are understandably eager to accurately price financial instruments and understand relationships involving them. Nonlinear multivariate statistical modeling on fast computers offers the potential to capture more of the underlying dynamics of these high dimensional, noisy systems than traditional models while at the same time making fewer restrictive assumptions about them. For this style of exploratory, nonparametric modeling to be useful, however, care must be taken in fundamental estimation and confidence issues, especially concerns deriving from limited sample sizes. This thesis presents a collection of practical techniques to address these issues for a modeling methodology, Radial Basis Function networks. These techniques include **efficient** methods for parameter **estimation** and pruning, including a heuristic for setting good initial parameter values, a pointwise prediction error **estimator** for kernel type RBF networks, and a methodology for controlling the "data mining" problem. Novel applications in the finance area are described, including the derivation of customized, adaptive option pricing formulas that can distill **information** about the associated **time** varying

systems that may not be readily captured by theoretical models. A second application area is **stock** price prediction, where models are found with lower out-of-sample error and better "paper trading" profitability than that of simpler linear and/or univariate models, although their true economic significance for real life trading is questionable. Finally, a case is made for fast computer implementations of these ideas to facilitate the necessary model searching and confidence testing, and related implementation issues are discussed. (Copies available exclusively from MIT Libraries, Rm. 14-0551, Cambridge, MA 02139-4307. Ph. 617-253-5668; Fax 617-253-1690.)

12/5/50 (Item 13 from file: 35)

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01312946 ORDER NO: NOT AVAILABLE FROM UNIVERSITY MICROFILMS INT'L.
**FACTORS INFLUENCING THE IMPACT OF CONFIDENCE INTERVAL INFORMATION ON
DECISION PERFORMANCE: AN EMPIRICAL INVESTIGATION**

Author: FOONG, SOON YAU

Degree: PH.D.

Year: 1993

Corporate Source/Institution: UNIVERSITY OF NEW SOUTH WALES (AUSTRALIA)
(0423)

Source: VOLUME 54/06-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1983.

Descriptors: INFORMATION SCIENCE

Descriptor Codes: 0723

Confidence interval (CI) information has often been recommended as a decision aid to improve assessment of the uncertainty underlying a future **estimate**. However, the empirical support for the use of the CI information in decision making is lacking. This thesis examines the **effectiveness** of the CI **information** in the **time** series forecasting task setting, based on a task-context-performance framework. It investigates the contingent relationships between the effectiveness of the CI information and that mode of data display, the nature of the loss function and monetary incentives.

Two computer-based laboratory experiments were undertaken. Experiment I required subjects to make stocking decisions based on the time series of past sales. The stocking errors were penalised based on one symmetric and two asymmetric loss functions. The CI and forecast (or CI/F) information significantly affected decision accuracy and behaviour, but not penalty cost. The information effect was more evident when the mode of display was tabular and when the loss function was asymmetric. The effectiveness of the CI/F information diminished with task familiarity.

Monetary incentives were introduced in Experiment II to encourage rational decision making. The subjects were required to make investment choice based on real-life **stock** price series. Bonus scores were awarded if the **stock** choice yielded the minimum target rate of return required. With incentives, the CI subjects significantly outperformed their non-CI counterparts in bonus score. The reverse was true without the incentives. The tabular display of the CI information was again preferred to the graphical display of the information cue. With incentives, the CI subjects demonstrated significant learning and were able to sustain their superior performance.

The main findings of the thesis suggest that the effectiveness of the CI information is highly contingent on the task and environmental variables. The circumstances that are likely to promote the effective use of the CI information are when: (i) there are incentives contingent on performance, (ii) the mode of display is tabular and, (iii) decision task

has an asymmetric loss function.

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01255603 ORDER NO: AAD92-39611

**THE USE OF REBATES AS A MARKETING STRATEGY TOOL: A STUDY OF REBATE
EFFICIENCY**

Author: DOBIE, KATHRYN ELIZABETH
Degree: PH.D.
Year: 1992
Corporate Source/Institution: MEMPHIS STATE UNIVERSITY (0124)
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Source: VOLUME 53/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 2897. 151 PAGES
Descriptors: BUSINESS ADMINISTRATION, MARKETING; ECONOMICS,
COMMERCE-BUSINESS
Descriptor Codes: 0338; 0505

The purpose of this study was to examine the efficiency of rebates as they contribute to the overall marketing strategy of the firm. Research relating to the development of methods designed to **measure** the **effectiveness** of rebates as a marketing tool has been conspicuously absent. Additionally, there has been an apparent absence of research aimed at **measuring** the **efficiency** of rebates as a strategic tool.

A Hedonic Pricing model was developed to be used to delineate the relationship between **market** prices and product attributes. The information obtained from the model was used to address the question of the operational and revenue efficiency contribution of rebate strategies.

The focus of the study was those industries which are characterized by high fixed costs, the inability to **quickly respond** to changes in consumer demand, a highly competitive environment, and the need to produce at the lowest possible per unit costs. The automobile industry was selected as representative for this study.

Results of the study indicate that the rebate strategy being used in the time period of the study, 1989, was inefficient. The use of rebate amounts suggested by the model would have been more likely to produce the desired inventory reduction than the rebate amounts actually applied by the individual firms.

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01221018 ORDER NO: AAD92-18501

TEMPORAL CHANGES IN MARKETING MIX EFFECTIVENESS (ADVERTISING)

Author: ANDREWS, RICKY LEE
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Year: 1992
Corporate Source/Institution: VIRGINIA POLYTECHNIC INSTITUTE AND STATE
UNIVERSITY (0247)
Chairman: GEORGE R. FRANKE
Source: VOLUME 53/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 223. 239 PAGES
Descriptors: BUSINESS ADMINISTRATION, MARKETING
Descriptor Codes: 0338

This research develops hypotheses to explain temporal changes in the effectiveness of marketing mix variables. Three potential explanations for these changes in **market** response are explored: (1) changes in **market** response associated with industry evolution, (2) trends in **market** response which may be related to changes in consumer knowledge and familiarity with products over **time**, and (3) changes in **market response** associated with changes in consumer incomes. In addition, this research investigates (4) changes in the relative effectiveness of marketing mix variables over time. The hypotheses are tested on time series data from five U.S. industries as well as aggregate U.S. consumption data. To **estimate** temporal changes in **market** price sensitivity, advertising **effectiveness**, and distribution **effectiveness**, a structural time series modeling methodology is used, and numerical optimization procedures are used to perform maximum likelihood **estimation**.

The results show mixed support for the hypothesis that **market** response is related to the level of industry maturity. Problems with the indicators of industry maturity were identified which may be partly responsible for the mixed results. Consistent with expectations, this study shows that advertising effectiveness does appear to decline over time, while **market** price sensitivity and distribution effectiveness increase. Consequently, price reductions and increases in distribution coverage appear to become relatively more effective than increases in advertising expenditures over time. There appears to be no relationship between marketing mix effectiveness and consumer incomes.

12/5/53 (Item 16 from file: 35)

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01161497 ORDER NO: AAD91-17600

OPTIMAL CONTROL FOR INVENTORY DISTRIBUTION SYSTEM USING ACTUAL LEAD TIME

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Degree: PH.D.

Year: 1990

Corporate Source/Institution: ILLINOIS INSTITUTE OF TECHNOLOGY (0091)

Adviser: NICK T. THOMOPOULOS

Source: VOLUME 52/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 500. 206 PAGES

Descriptors: OPERATIONS RESEARCH; BUSINESS ADMINISTRATION, MANAGEMENT; ENGINEERING, INDUSTRIAL

Descriptor Codes: 0796; 0454; 0546

The main objective of this research is to develop the optimal control methods for a Distribution Center (or Warehouse)--multi Branch inventory distribution system. With the continuous review policy, the Distribution Center places an order for specific order quantity to an outside supplier (vendor), and the order quantity is replenished after a certain lead time. Also, each Branch places an order for particular order quantity to the Distribution Center to satisfy the customer demands, and **receives** the replenishment after a lead **time**. When an out of **stock** condition occurs during an order cycle, a backorder is placed to the upper level to fill the unfilled demands. With these situations, variable demand and variable lead time are used for better industrial practice. Further, actual lead times with a generic lead time distribution are used in developing the control model.

As the system parameters, the three expected (or **effective**) customer service **measures** are generated. The customer service **measures** are defined as the service level, the probability of an out of **stock** condition in an order cycle, and the average time a backorder demand is in

the backorder condition. Under the actual lead time model, the customer service **measures** actually attained for the Distribution Center and each Branch, are explained as the **effective** customer service **measures**. Thus, throughout the optimal control (using computer search procedures), we can set the desired service levels (control parameters) for the Distribution Center and each Branch, to produce the effective service level for each Branch which is consistent with the goal level of service for each Branch. At the same time, the entire distribution system keeps the minimum inventories. Finally, to show the guidelines of the optimal control for multiple independent product items, the sensitivity analyses are carried out.

12/5/54 (Item 17 from file: 35)

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01133675 ORDER NO: AAD90-34876

THREE ESSAYS ON LATENCY IN ECONOMICS AND DECISION-MAKING

Author: AXELROD, DAVID ALLEN

Degree: PH.D.

Year: 1990

Corporate Source/Institution: RUTGERS UNIVERSITY THE STATE U. OF NEW JERSEY (NEW BRUNSWICK) (0190)

Directors: GARY GIGLIOTTI; HIROKI TSURUMI

Source: VOLUME 51/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2460. 201 PAGES

Descriptors: ECONOMICS, GENERAL; STATISTICS; ECONOMICS, LABOR

Descriptor Codes: 0501; 0463; 0510

The first essay invokes **latency** in decision-making to rationalize positive time preference. A person is seen as economically self- **determined** when they specify their own preferences/utility function, a **latent** decision. This is analogous to choosing one's own problem, or project, to work on. Time preference expresses the mixing of temporally distinct projects. The determination of discounting of future time periods is seen as portfolio selection. The variables which affect these weights are the expected utility within the moment, and that utility's variance. This is interpreted to mean that a person preferring certainty, and perceiving increasing uncertainty into the future, will tend to focus her attention toward the present. It is suggested that **time** preference can be influenced by **information** about the future.

The second essay reviews and extends Richard Stone's article, "On the Interdependence of Blocks of Transactions." A factor analysis is run using U.S. macroeconomic data for the period 1969-1984, and contrasted with Stone's analysis for 1922-1938. Stone's 'inner variables' are shown not to work well with the more recent data. A new interpretation is then provided within an extra- **market** influence framework. It is concluded that monetary influence is the largest factor in the explanation of the data, followed by foreign and fiscal policy influences. Simple regression results are provided for comparison.

The third essay develops a competing risks hazard rate model of return to the labor force by young first-time mothers, for NLS 1968-1973 data. The competing risks are: return to the last employer before birth, and returning to a different employer. Significant structural differences are found for white and non-white women samples. The predominant variable associated with duration out of labor force is the woman's time out of labor force before birth. A hypothesis is conjectured that a woman's preferences become more weighted toward expenditures (and away from time with the child) as the child grows older, thus, inducing return to the

labor force even if her wage rate and fixed income remains the same.

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01106473 ORDER NO: AAD90-15322

ESSAYS ON THE EFFICIENT MARKETS HYPOTHESIS (MARKETS , DISCOUNT RATE)

Author: RATHJENS, PETER LAURENCE

Degree: PH.D.

Year: 1990

Corporate Source/Institution: PRINCETON UNIVERSITY (0181)

Adviser: DWIGHT M. JAFFEE

Source: VOLUME 51/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 248. 146 PAGES

Descriptors: ECONOMICS, FINANCE

Descriptor Codes: 0508

These papers consider various tests of the efficient **markets** hypothesis using announcement data. The first two essays look at how efficient **markets** are with respect to information which is disseminated across different frequencies, while the third essay demonstrates how sensitive the results of these tests may be to making errors in modeling and estimation, using discount rate announcements as an example.

In the first essay, it is noted that agents are confronted every day with a wealth of **information** which is disseminated across different **time** frequencies. Nevertheless, agents reoptimize economic positions to reflect this information only at discrete intervals. Accordingly, a model is developed in which the actions of rational agents may lead to a violation of the efficient **markets** hypothesis. This framework depends upon non-trivial information processing costs and transactions costs.

In the second essay, it is noted that standard efficient **markets** tests using time series models have focused on the simple decomposition of announcements into an expected and an unexpected component. Typically, models of expectations have tended to ignore higher frequency current period data which is available to agents. With transaction and information costs, it may or may not behoove agents to use this information in an "efficient" way. It is therefore possible that while **security** prices may efficiently reflect information used in the formation of these simple expectations models, they need not efficiently reflect all historically available information across frequencies. This paper provides evidence that at least some **markets** violate the semistrong efficient **markets** hypothesis. Moreover, the use of high frequency data leads to interesting conclusions about how adequate the low frequency historical time series of a variable may be as an information set used in forming expectations. Specifically, the omission of contemporaneous high frequency data seems to lead to over acceptance of the efficient **markets** hypothesis.

In the third essay, the effects of discount rate announcements on both the **stock market** and interest rates are explored. It is discovered that, relative to the results of earlier studies, the results of **efficient market** tests are somewhat sensitive to **estimation** errors, and thus the discrete nature of discount rate changes should be accounted for. Moreover, again relative to earlier studies, the selection bias of considering discount rate changes only on announcement days is shown to affect the results of these efficient **market** tests.

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01101334 ORDER NO: AAD90-12831

**HETEROSKEDASTICITY AND SERIAL CORRELATION IN TESTS FOR RATIONAL
EXPECTATIONS AND/OR SIMPLE MARKET EFFICIENCY: A WHITE-TYPE APPROACH**

Author: LIGERALDE, ANTONIO VELASCO

Degree: PH.D.

Year: 1989

Corporate Source/Institution: RICE UNIVERSITY (0187)

Director: BRYAN W. BROWN

Source: VOLUME 50/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4041. 84 PAGES

Descriptors: ECONOMICS, COMMERCE-BUSINESS; ECONOMICS, GENERAL;
ECONOMICS, THEORY

Descriptor Codes: 0505; 0501; 0511

The simple **market** efficiency hypothesis implies that prediction errors, such as forward less spot exchange rates, will be orthogonal to elements of the information set. One can therefore test for **market** efficiency via ordinary least squares by regressing the prediction errors on pieces of **information** available at the **time** the predictions are made and checking if the intercept term and slope coefficients are jointly equal to zero.

Two econometric complications have to be dealt with when testing for **market** efficiency in the above manner. The first complication arises from the fact that multi-period-ahead predictions lead to an inter-temporal band structure for the covariance matrix. This complication can be handled by employing Hansen's Generalized Method of Moments (GMM) estimate which takes explicit account of the band structure of the covariance matrix.

The second complication arises from the fact that the disturbances in the regression may also be heteroskedastic. Insofar as heteroskedasticity might adversely affect inference, we propose a White-type test that indicates whether or not a covariance matrix correction for heteroskedasticity is necessary. The test essentially checks if the difference between the homoskedastic and heteroskedastic consistent forms of Hansen's GMM estimate tend towards zero. Monte Carlo experiments examining the performance of the proposed test show that at least in large samples, the White-type test works well under a variety of heteroskedastic specifications.

By actually applying the above procedures to test the simple foreign exchange **market** efficiency hypothesis, we find that for particular regression specifications and data sets, it does not make a practical difference whether we base inferences on the homoskedastic or the heteroskedastic consistent forms of Hansen's GMM covariance **estimate**. For other data sets and regression specifications, however, we are able to reject **market efficiency** only if we use the appropriate form of Hansen's GMM **estimate** as **determined** by the White-type test.

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1045087 ORDER NO: AAD88-24091

OPTIMIZATION APPROACHES TO THE PORTFOLIO PROBLEM

Author: GEMMILL, DOUGLAS DUNCAN

Degree: PH.D.

Year: 1988

Corporate Source/Institution: THE UNIVERSITY OF WISCONSIN - MADISON (0262)

SUPERVISOR: JERRY L. SANDERS

Source: VOLUME 49/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5469. 181 PAGES

Descriptors: ENGINEERING, INDUSTRIAL

Descriptor Codes: 0546

Economically cutting a bill of material out of **stock** sheets is a common problem encountered in the metal, leather, glass, electronic, shipbuilding, and lumber industries. This research investigates a part of this problem called the portfolio problem. The portfolio problem can be defined as the determination of the best combination of sheets to **stock** in inventory in order to minimize material wastage given that the bill of material is random.

Three approaches to the solution of this stochastic optimization problem are examined: stochastic quasigradient methods, simulated annealing, and optimization homotopy. Simulated annealing is modified in order to extend this **deterministic** procedure to our stochastic problem. A comparative analysis of the **effectiveness** of each of these three methods is made. In addition, application of optimization homotopy to the simpler assortment problem is made (fixed bill of material).

Finally, at the expense of large amounts of computer **time**, numerical representations of **response** surfaces are made and used as a tool in developing some general engineering guidelines for the proper portfolio selection.

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1034572 ORDER NO: AADD--83717

DEVELOPMENT OF A PROCESS CONTROL RHEOMETER

Author: XU, ZHENMIAO

Degree: PH.D.

Year: 1987

Corporate Source/Institution: UNIVERSITY OF STRATHCLYDE (UNITED KINGDOM)
(0359)

Source: VOLUME 49/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4484. 234 PAGES

Descriptors: ENGINEERING, INDUSTRIAL

Descriptor Codes: 0546

Available from UMI in association with The British Library. Requires signed TDF.

The aim of this research project was to develop a process control viscometer based on the measurement of the flow properties of the process fluid, whether Newtonian and non-Newtonian.

The research work began by reviewing the wide range of commercial process viscometers available on the **market**. They can be divided into four main types, namely capillary, rotational, falling body and vibrational.

Since process viscometers are used for monitoring and control of industrial process, accuracy in the measurement of, and a **quick response** to change in, the flow properties of a fluid are the two basic requirements. These represent two conflicting factors in the design, as the former requires the measurement to be isolated from the main flow, whilst the latter requires the main flow to be constantly passing through the **measuring** member. In most commercial process viscometers, the sample recharge relies on the main flow stream. Its **efficiency** and possible problems are examined in this research both experimentally and

theoretically. It was found that the sample recharge by the main flow is often a very slow process, and for an in-line viscometer a pump-mechanism for sample renewal is preferable.

The main contributions of this research include: (1) The development of a concentric cylinder in-line viscometer with sample recharge mechanism. (2) The technique of making a torsion tube with low rigidity and high stiffness. (3) The development of a oscillation mechanism and the related software. (4) The design of a parallel ring in-line viscometer with the rotating ring movable axially for sample renewal. (Abstract shortened by UMI.)

12/5/59 (Item 22 from file: 35)

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953433 ORDER NO: AAD87-11132

**TIME-VARYING RISK PREMIA IN FORWARD FOREIGN EXCHANGE MARKETS AND
CONDITIONAL HETEROSKEDASTICITY: AN EMPIRICAL INVESTIGATION (MARKET
EFFICIENCY)**

Author: LASTRAPES, WILLIAM DEAN

Degree: PH.D.

Year: 1986

Corporate Source/Institution: THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL
HILL (0153)

Source: VOLUME 48/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 442. 215 PAGES

Descriptors: ECONOMICS, GENERAL

Descriptor Codes: 0501

Recent evidence suggests that forward foreign exchange rates are biased predictors of future spot exchange rates. Although this empirical regularity is well-documented in the literature, the cause of this bias is less well-known. An explanation for this phenomenon, one which is consistent with **market** efficiency, is that forward rates contain time-varying risk premia. This study is an empirical investigation into the validity of this explanation.

We develop a simple, multiasset portfolio balance model of foreign currency speculation as a framework in which to test for the existence of risk premia. The model implies that ex post forward bias is related to speculative positions, weighted by conditional second moments on the joint spot rate distribution. In principle, these conditional moments, which represent perceptions of risk, vary over **time** as new **information** is **received**. The link between current information and expectations of risk is modeled in the context of two alternative spot rate processes: a random coefficient specification and the Autoregressive Conditional Heteroskedasticity (ARCH) model. A two-step strategy is used to test the implications of the portfolio balance model with time-varying perceptions of risk. In the first step, estimates of the conditional second moments are generated. These generated regressors are applied in the second step, to identify the parameters measuring risk aversion. OLS is the estimation technique, with adjusted standard errors to account for serial correlation.

The empirical tests utilize foreign exchange data for five countries vis a vis the U.S. dollar. Two alternative measures of speculative positions are obtained, based upon cumulative current account balances. The ARCH model appears to be consistent with the spot rate data. The results from the second step for each currency are consistent with the model, but differ depending upon which asset measure is used. Two major conclusions emerge. First, the time-variation in the conditional covariance is small, so that the second step **estimation** is not greatly affected by ignoring this time variation. Second, the use of the two-step procedure is

an **effective** strategy to identify risk parameters in the context of portfolio balance models.

12/5/60 (Item 23 from file: 35)

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931536 ORDER NO: AAD86-23642

ON THE INNOVATIVE PRICING FOR RESIDENTIAL WATER SUPPLY

Author: OBEITER, ROBERT D.

Degree: PH.D.

Year: 1986

Corporate Source/Institution: CLARK UNIVERSITY (0048)

Source: VOLUME 47/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2696. 178 PAGES

Descriptors: GEOGRAPHY, SOCIAL

Descriptor Codes: 0366

This study deals with one of the important elements of resource allocation. Specifically, it emphasizes the role of price and the **market** mechanism for means of establishing **efficiency** gains in the distribution of scarce resources.

A primary objective of this research is to develop an approach to **calculate** the marginal cost for water supply for the purpose of developing innovative pricing structures. As such, it does not consider objectives beyond economic efficiency in resource allocation. Government regulators concerned with the conservation of resources have advocated the use of a pricing structure based on marginal costs as an instrument to encourage conservation. It is also their expectation that marginal cost based rate design will maximize the use of available facilities and reduce the rate at which new facilities must be added. Marginal cost based pricing is viewed as a means of permitting the consumer to effect savings through changed patterns of use.

A comprehensive framework is developed which: formulates a methodology to develop innovative pricing for water supply based on the economic principle of marginal costs; evaluates the results of a social experiment designed to elicit customer **responses** to a **time** differentiated rate structure for water supply; relates the results of a survey designed to analyze water using behavior of a group of residential customers; and discusses the implications for the development of innovative tariffs for water design.

The results of the social experiment indicate that water using behavior is not impacted significantly by price. The results of the attitudinal survey indicate that rates based on marginal costs are acceptable and, more importantly, water was perceived as a valuable resource. The overall research results support continued emphasis on water demand management strategies rather than on solutions based on supply additions.

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883435 ORDER NO: AAD85-13625

THE IMPACT OF PERSONAL, INSTITUTIONAL AND MARKETING FACTORS ON ATTRACTION OF STUDENTS TO PRIVATE GRADUATE BUSINESS SCHOOL STUDY (RECRUITMENT)

Author: RUSSEL, JOHN EDWARD
Degree: D.P.S.
Year: 1985
Corporate Source/Institution: PACE UNIVERSITY (0483)
Source: VOLUME 46/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 908. 320 PAGES
Descriptors: EDUCATION, HIGHER
Descriptor Codes: 0745

The study's prime objective was to determine the factors which attract prospective students and enrollees to graduate business study at private nonsectarian New York area colleges and universities. Knowledge of these factors will lead to **determination** of key institutional and marketing approaches that will result in more **efficient** and **effective** recruitment of students. This may in turn enable graduate business schools to increase enrollment or maintain enrollment at reduced institutional costs.

The questionnaire method was employed. 642 telephone interviews were completed; and, an 85 percent response rate was achieved.

Factors which attracted (1) students, (2) non-enrolling applicants, and (3) non-enrolling inquirers to private non-sectarian business schools were identified and ranked, and influence levels for these three groups were compared. These research steps were completed for all **respondents**, **respondents** interested in full- **time** study, women, individuals over 25 years of age and minorities in each of the three groups.

The two personal factors which attracted the largest numbers of enrollees to graduate business study were personal satisfaction or general self improvement and helping present career development. Institutional factors which attracted the largest numbers of enrollees were reputation of school, availability of a particular program or degree, high status or salary, reputation of program, convenient class times and a large variety of courses. Marketing factors which attracted the largest number of enrollees were catalogs or bulletins, brochures describing programs, college guides and campus visits.

Non-enrolling applicants and inquirers tended to give high ratings to the same personal, institutional and marketing factors; but, some differences in leading factor lists were observed. When **market** segmentation was employed, women, individuals over 25 years of age, minorities, and full-time students and prospective students tended to give high ratings to the same factors, but to rank the factors somewhat differently.

Results showed non-enrolling inquirers to be similar to enrollees in background, in willingness to respond to the survey, and in the factors attracting them to graduate business study. Thus, the results suggest the merit of follow-up communication with non-enrolling inquirers.

The research report concluded with over forty practical recommendations for improving recruitment management.

12/5/62 (Item 25 from file: 35)

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875662 ORDER NO: AAD85-01770

ON THE EFFICIENCY OF FORWARD FOREIGN EXCHANGE MARKET : A MULTIPLE TIME SERIES ANALYSIS

Author: MODJTAHEDI, BAGHER

Degree: PH.D.

Year: 1984

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, DAVIS (0029)

Source: VOLUME 46/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 214. 169 PAGES
Descriptors: ECONOMICS, GENERAL
Descriptor Codes: 0501

A review of the literature in chapter one, reveals that most of the studies of foreign exchange **market** efficiency have focused attention on the forward rates of a single maturity. Knowing that forward contracts of several maturities are simultaneously traded in the **market**, one may ask whether or not efficiency tests are affected in any way by the existence of such contracts. Moreover, finance-theoretic approaches to interest differentials point to the existence of the forward risk premia which move stochastically over time. In chapter two this literature will be surveyed and extended to the case of real exchange rate uncertainty. If forward risk premia are time varying, what are their time series properties then? These two questions will be analyzed in Chapter Three.

We first test the **efficiency** hypothesis in the presence of several forward rates, by identifying and **estimating** multivariate risk premium models. It is widely known that in the absence of risk aversion information and transactions costs, today's n-period forward rate, $(,t)F(t,n)$, is an unbiased forecast of the spot rate n periods from now, $S(t,n)$, i.e., $(,t)F(t,n) = E(,t)S(t,n)$ where $E(,t)$ denotes expectations conditional on the **information** available at **time** t_i . If this is the case, then it is also true that the forward rate $(,t)F(t,n)$ is the **market** forecast of all the future forward rates for the same maturity date $t+n$, i.e., $(,t)F(t,n) = E(,t)((,t+j)F(t,n))$ for all $j = 0,1,\dots,n$. Under these circumstances $((,t+j)F(t,n) - (,t)F(t,n))$ can be considered as the **market** $(t+j)$ -steps ahead forecast error at time $t+j$, $j = 1,2,\dots,n$.

Using the available data on the spot and different forward rates we can construct a vector of forecast errors for each day. With monthly data this vector will be of the form $((,t)F(t) - (,t-1)F(t), (,t)F(t+1) - (,t-2)F(t+1), (,t)F(t+3) - (,t-3)F(t+3))$, in which $(,t-i)F(t+j)$ is the $(i+j)$ -months forward rate at $t-i$. Under the efficient **market** hypothesis such a vector will follow a moving average process of order two, VMA (2). This form can be tested by jointly estimating the implied MA coefficients in the presence of some autoregressive and moving average terms. An F-test on the coefficients of these terms will then constitute a test of the joint hypothesis of **market** efficiency and the assumed equilibrium model. . . . (Author's abstract exceeds stipulated maximum length, Discontinued here with permission of author.) UMI

12/5/63 (Item 26 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online
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832730 ORDER NO: AAD84-02545

A CREATION OF MARKETS FOR MARKET POWER, SPILLOVERS, AND PUBLIC GOODS

Author: COLLINGE, ROBERT ANDREW

Degree: PH.D.

Year: 1983

Corporate Source/Institution: UNIVERSITY OF MARYLAND (0117)

Source: VOLUME 44/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3117. 142 PAGES

Descriptors: ECONOMICS, GENERAL

Descriptor Codes: 0501

This dissertation suggests a new class of policy instruments, called the class of "**market** -creating mechanisms." These instruments are capable

of creating **markets** for spillovers, public goods, and the distortions responsible for **market** power. The distinguishing feature of these instruments is that they do not require the **estimation** of allocatively **efficient** outputs or prices. For instance, a **market**-creating mechanism can create a supply curve for waste emission rights such that **market** participants generate an efficient overall level of emissions and an efficient allocation of these emissions to firms. The authorities need no information (ex ante or ex post) on abatement costs.

Market-creating mechanisms have four primary advantages over other types of instruments. Firstly, because the optimal allocation need not be estimated ex ante, informational economies are achieved and a potential source of error is avoided. Secondly, because choice is left to **market** participants under the parameters of the system, adjustments required (perhaps due to business fluctuations) to maintain allocative efficiency are realized **quickly**--there is no need for **messages** to be sent to and evaluated by a central authority. Thirdly, the price signal to each firm elicits the socially optimal decision on entry or exit. Finally, these properties are unaffected by the number of **market** participants.

Areas of application include pollution, military staffing and procurement, foreign trade, and monopoly **market** power. In addition, "demand revealing processes" are considered as either complementary to or substitutable for **market**-creating mechanisms. For example, a combination of the two types of instruments can eliminate nearly all ex ante informational requirements in some applications, as in the "internalization" of externalities associated with pollution. The upshot is that with relatively scant information, **markets** can frequently be formed for the wide variety of **market** failures that involve a divergence between private and social costs or benefits.

12/5/64 (Item 27 from file: 35)

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817595 ORDER NO: AAD83-17702

TIME **SERIES** RESPONSE **PATTERN AND THE TEST OF FOREIGN EXCHANGE MARKET EFFICIENCY**

Author: TUBTIMTONG, BANGORN

Degree: PH.D.

Year: 1983

Corporate Source/Institution: UNIVERSITY OF COLORADO AT BOULDER (0051)

Source: VOLUME 44/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1151. 222 PAGES

Descriptors: BUSINESS ADMINISTRATION

Descriptor Codes: 0310

The purpose of this study is to examine and analyze the short run behavior of the exchange rate fluctuations during the period 1978-1980. The theme of the analysis is to test whether exchange **market** behavior conforms with the efficient asset **market** theory.

The foreign exchange rate is regarded as the relative price of two assets, domestic and foreign, and the behavior of the foreign exchange **market** is similar to the capital **market** in setting prices. The efficient **market** theory emphasizes how the **market** process operates and responds to new information. Therefore, the test of **market efficiency** is concerned with whether the foreign exchange **market** correctly uses available information in setting prices and **determines** whether prices fully reflect a specific subset of information such as the past spot rate, the forward rate, or the interest rate differential.

The test which we apply to examine exchange **market** efficiency is the Box-Jenkins time series analysis. The test has been applied to four currencies, the British pound, Canadian dollar, Deutsche mark, and Japanese yen. The univariate time series analysis allows us to examine whether there is any systematic pattern in the past spot rate which has some significant effect on the current spot rate. Our empirical results indicate that the random walk model or ARIMA (0,1,0) can be used to describe the series of fluctuations for the British pound and the Canadian dollar. The alternative ARIMA (p,d,q) can be used to describe the series of fluctuations for the Deutsche mark and the Japanese yen.

By using the transfer function model to examine the response pattern between the changes in the forward rate and the movement of the spot rate, our results indicate that there is no response relation between the two variables. Similarly, the response pattern among the spot rate, the forward rate, and the interest rate differential are neither strong nor systematic. This gives some doubt to the efficiency of the exchange **market**.

Finally, we compare the forecasting performance of our model. The results, based on the mean absolute percentage error and U-Statistics, indicate that the univariate model performs best.

In summary, the behavior of the foreign exchange **market** is different for different currencies in different periods due to the varied nature of the exchange **market** and government policy. Generally, during the period 1978-1980, the foreign exchange **market** was apparently not efficient which might be due to government intervention in the **market**.

12/5/65 (Item 28 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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773047 ORDER NO: AAD82-06557

THE TREASURY BILL AND GNMA FUTURES MARKETS : AN ANALYSIS OF MARKET EFFICIENCY

Author: MEEHAN, JOHN JOSEPH, JR.

Degree: PH.D.

Year: 1981

Corporate Source/Institution: NEW YORK UNIVERSITY, GRADUATE SCHOOL OF BUSINESS ADMINISTRATION (0868)

Source: VOLUME 42/10-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 4512. 191 PAGES

Descriptors: BUSINESS ADMINISTRATION

Descriptor Codes: 0310

This thesis deals with the **efficiency** of pricing in the Treasury Bill and GNMA futures **markets**. The objectives of this investigation are threefold: first, to **determine** whether arbitrageurs can profit by exploiting any inefficiencies in the pricing of futures contracts; second, to **determine** whether pricing has become more **efficient** with the passage of time; and third, to **determine** whether the cash and futures **markets** respond in unison to the arrival of new information.

The study has been limited to the time period between the inception of trading in each futures contract and March 1978. This provides 30 months of data for GNMA's and 27 months for Treasury bills. The data consists of daily bid-ask prices for cash **market** bills and GNMA's (gathered from the Wall Street Journal), and opening and closing prices for the futures contracts.

In order to test for the existence of arbitrage profits, a trading rule is developed which will detect the existence of gross profits. Net

profits are then computed to determine the impact of transaction costs on what may appear to be profits. If a profit opportunity is detected, a strategy of long (short) in the cash **market** is matched with a short (long) position in the future contract. If profits exist, a further test is performed to determine if they persist by delaying execution of the futures side of the transaction until the next trade. The data set is also partitioned timewise such that first half results can be compared with second half results. It is plausible to assume that when the **market** were new that arbitrage profits could exist, but that over time as the **markets** seasoned, these profits would be eliminated. For GNMA's these tests are performed by utilizing cash **market** coupons of 6.5, 8.0, 8.5, and 9.0 percent.

In order to test for a simultaneous adjustment of prices in both the cash and futures **markets**, the Granger - Sims - Haugh causality test procedure is utilized. It is hypothesized that lead-lag relationships between cash and futures **markets** should not exist since both **markets** should respond simultaneously to the arrival of new information.

The results of the tests for arbitrage profits are as anticipated. That is, given the efficiency of the cash **market** in bills, and a well designed futures contract, it was anticipated that few exploitable arbitrage opportunities would exist. Those few that did appear had transaction costs which eliminated what seemed to be profits. Thus, the futures **market** in Treasury bills appears to be efficient with respect to the strategies utilized in this paper.

For GNMA's there was evidence that arbitrage opportunities were available. There was some evidence suggesting improved efficiency as the **markets** seasoned, but arbitrage profits were still available at the end of the time period studied.

The **time** series test for direction of **information** flow for Treasury bills revealed a virtual instantaneous adjustment of prices in both the cash and futures **markets**. For GNMA's there was a tendency for the futures **market** to lead the cash **market**. This result holds despite the fact that the cash **market** continues to trade after the futures **market** had closed.

12/5/66 (Item 29 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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767709 ORDER NO: AAD82-02302

TESTING INVESTMENT STRATEGIES USING VALUE LINE RANKS

Author: HOLLOWAY, CLARK

Degree: PH.D.

Year: 1981

Corporate Source/Institution: UNIVERSITY OF PITTSBURGH (0178)

Source: VOLUME 42/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3691. 162 PAGES

Descriptors: ECONOMICS, FINANCE

Descriptor Codes: 0508

One of the better known investment advisory services is the Value Line Investment Survey. An unresolved debate has been in progress in the literature for a decade as to whether the performance of the Value Line Investment Services is inconsistent with the Efficient **Market** Hypothesis.

We have investigated the VL system using two completely different methodologies. First, we used the method of residuals from the well known two-factor **market** model. Second we followed the pragmatic procedures used by Value Line and by others.

Market efficiency tests (using residuals) significantly depend on how systematic risk is **measured**. It is perhaps not surprising, therefore, that our two methodologies show mildly differing results, and the reasons for this are outlined in the paper. We show that, at most, the VL system represents a borderline divergence from the Efficient **Market Hypothesis**. When realistic transaction costs are used, active trading according to VL recommendations does not yield abnormal returns by either of our two methods. For a Buy-and-Hold policy, VL recommendations yield abnormal returns according to the pragmatic procedure, but not only by the method of residuals.

Our pragmatic work took three directions. In the simulation approach, portfolios were created and managed over a year's **time**, using VL **information**, prices, and transaction costs that would have been available to an investor. Our simulation study indicates that when transaction costs are not considered, active trading according to VL recommendations yields normal returns, in agreement with VL statements. However, in the presence of realistic transaction costs, statistically significant abnormal returns cannot be found. In a study of this sort, risk needs to be considered, and the role of BETA is discussed along with the simulation runs.

The second direction estimated the need for prompt action on the part of the investor--whether his chance for abnormal returns is impaired by not acting immediately when he receives VL's recommendations. It is apparent that timing is extremely critical.

Finally, we study the behavior of daily returns against time before and after the VL announcement of a change in rank for a **stock**. If VL is adept at selecting 'good' **stocks**, one would expect a returns-time plot to have positive slope (on the average) when VL announces a rise to Rank = 1 from an inferior rank. We find that this is in fact the case.

Conversely, if VL announces a drop out of Rank = 1 to an inferior rank, one might expect a plot of returns spanning such an announcement of exhibit negative slope. We did not find such evidence. In other words, abnormal returns are associated with buy, rather than sell, recommendations.

12/5/67 (Item 30 from file: 35)

DIALOG(R) File 35:Dissertation Abs Online

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748088 ORDER NO: AAD81-12945

A SIMULTANEOUS EQUATION ESTIMATION OF AIR TRAVEL DEMAND

Author: ABRAHAMS, MICHAEL BRUCE

Degree: PH.D.

Year: 1980

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, BERKELEY (0028)

Source: VOLUME 42/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 292. 94 PAGES

Descriptors: ECONOMICS, GENERAL

Descriptor Codes: 0501

The response of the airline industry to new **market** conditions such as deregulation is based, in part, on the sensitivity of air travel demand to changes in fare, service quality and other parameters. An econometric model of the demand for airline services is one method of determining these elasticities as well as providing a basis for analyzing future conditions. For these reasons an econometric model of air travel demand is developed.

In an effort to obtain unbiased estimates, service quality competition, expressed in the form of schedule delay times, is incorporated

into the model and a simultaneous estimator is employed. Furthermore, in an effort to minimize aggregation biases while utilizing sufficient **information** to obtain accurate estimates, the **time**-series and cross-section data set is pooled according to geographic and length of haul criteria.

These **estimates** are then used to **determine** pareto **efficient** **market** allocations. A social cost function is designated and minimized with respect to traffic, flight frequency and capacity. These results are used as indications of the direction in which deregulation is likely to lead.

12/5/68 (Item 31 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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747953 ORDER NO: AAD81-10074

THE EFFICIENCY OF FUTURES MARKETS IN FOREIGN EXCHANGE

Author: GLASSMAN, DEBRA ANN

Degree: PH.D.

Year: 1980

Corporate Source/Institution: THE UNIVERSITY OF WISCONSIN - MADISON (0262)

Source: VOLUME 42/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 309. 272 PAGES

Descriptors: ECONOMICS, FINANCE.

Descriptor Codes: 0508

This dissertation develops empirical tests of the **market** efficiency hypothesis and applies them to four futures **markets** for foreign exchange (British pound, Canadian dollar, German mark, Swiss franc) over the period June 1972 to June 1978. Currency futures prices are based on expectations of exchange rate developments and therefore can be considered forecasts of future exchange rates. The hypothesis of **market** efficiency states that prices fully incorporate all the information available to traders in a **market**. The study addresses three questions. First, are individual currency futures **markets** efficient with respect to information one day old, and, if not, how long does it take for information to be fully reflected in prices? Second, how does **market** volatility affect efficiency tests and their results? Third, is the group of futures **markets** jointly efficient?

A statistical implication of the **market** efficiency hypothesis is that the forecast error (the change in the futures price over a given **time** interval) is uncorrelated with the **information** on which the forecast (futures price) is based. We test whether single currency futures **markets** are efficient by formulating regression tests of this statistical implication and applying them to each of the four **markets**. The null hypothesis of single **market** **efficiency** is generally rejected when the regressions are **estimated** by ordinary least squares.

We find historical and institutional evidence that **market** volatility varies over time and by currency. The statistical tests are adjusted to take account of changing volatility by using weighted least squares **estimation** of the single **market** regressions. The results from weighted least squares **estimation** indicate that the **markets** are **efficient** with respect to information more than a few days old. The issue of whether the null hypothesis of **efficiency** should be imposed when **estimating** the weights for weighted least squares is also considered. When this constraint is imposed, there is evidence of inefficiency only with respect to information a day or two old.

National economies and financial **markets** are increasingly interdependent. It is therefore logical to assume that there is a common set of information used by traders in different **markets**. We develop a multimarket test of **efficiency** by expanding the information set in the single **market** equations and **estimating** the equations jointly. This is both a more powerful test of **efficiency** and a way to examine the causes of inefficiency. The null hypothesis of joint **efficiency** is rejected when ordinary least squares **estimation** is used but accepted for all but the most recent information when weighted least squares estimation (both constrained and unconstrained) is used. A strong relationship between the German mark and Swiss franc **markets** appears in the multimarket tests, suggesting that the cause of inefficiency may lie in features of these **markets** or government policies towards them.

12/5/69 (Item 32 from file: 35)

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737153 ORDER NO: AAD81-04328

THE FOREIGN EXCHANGE MARKETS : AN ASSET MARKET APPROACH

Author: ZABINSKY, HARVEY

Degree: PH.D.

Year: 1980

Corporate Source/Institution: THE UNIVERSITY OF ROCHESTER (0188)

Source: VOLUME 41/08-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 3665. 97 PAGES

Descriptors: ECONOMICS, GENERAL

Descriptor Codes: 0501

The objective of this research is to integrate the **markets** for foreign exchange into a theoretical framework of asset **market** equilibrium. Stabilization policies are discussed within a structural model. The policy choices are defined with respect to the constraints on economic agents, including the policy making authority. The properties of the short run equilibrium are examined. This equilibrium is the outcome of asset **market** clearing conditions and reflects the **information** available at that **time**. When economic agents willingly hold the **stock** of assets in each **market** an equilibrium obtains. The long run equilibrium is not specified except for the claim that expectations adjustment will change the set of short run equilibrium prices and the **stocks** to be held.

Economic agents in this study hold claims denominated in domestic and foreign currency. Each agent is identified with a net asset constraint. The economic agents are traders, importers and exporters, commercial banks, and the monetary authority. The behavioral responses of traders are shown to be consistent with expected net asset maximization where the choice variables are the **stocks** of domestic money, loans, and the proportion of the net liabilities to foreigners covered in the forward **market**.

The structural model is used to examine the effects on intervention policies under various expectations mechanisms. The intervention by the monetary authority in spot and forward **markets** for foreign exchange is examined under adaptively formed expectations. Deficit finance is examined using international reserves and the discount rate as instruments for controlling the monetary base.

Spot market sales of foreign exchange by the monetary authority appreciate spot and forward exchange rates and raise domestic loan rates. It is shown that the **efficiency** of this intervention, **measured** by the elasticity of the spot rate with respect to the base, is dependent on the degree of speculation, **measured** by the uncovered positions. As the

openness of these positions increases, the **effectiveness** of spot **market** intervention is reduced. Further, it is shown that the more elastic expectations are with respect to the spot or forward rate, the greater the effectiveness of the intervention.

Forward **market** intervention is shown to be an effective instrument available to the monetary authority. Its effectiveness increases with the elasticity of expectations. It is also shown that the suspension of this intervention causes the forward discount (premium) on foreign exchange to become a premium (discount). This suggests that rational policy should decrease the intervention over time as expectations adjust.

The effects of deficit finance are considered within the specification that deficits are financed with equal increases in high powered money. Control of the monetary base requires spot **market** sales of foreign exchange. A policy of pegging domestic loans rates results in increases in high powered money which grow as the composition of the base reflects the continuing budget deficits. An alternative policy in the form of controlling the bank rate is presented. The results are similar to those presented for international reserve financing but without the acceleration in the growth of the base in response to continuing deficits.

12/5/70 (Item 33 from file: 35)

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687558 ORDER NO: AAD80-15169

AN ECONOMIC EVALUATION OF THE REGULATION OF THE PRIMARY AGRICULTURAL MOTOR CARRIER INDUSTRY IN WASHINGTON

Author: WHIPPLE, GLEN DON

Degree: PH.D.

Year: 1980

Corporate Source/Institution: WASHINGTON STATE UNIVERSITY (0251)

Source: VOLUME 41/01-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 336. 216 PAGES

Descriptors: ECONOMICS, AGRICULTURAL

Descriptor Codes: 0503

Raw or unmanufactured agricultural commodities hauled by truck transportation are exempt from economic regulation in the interstate movement, but the intrastate movement within the state of Washington is under both entry and rate regulation by the Washington Utilities and Transportation Commission. This study evaluates the economic efficiency of the regulation on the primary (field to first dump site) agricultural motor carriers operating within the Columbian Basin area of Washington state through an appraisal of the performance of these motor carriers.

The analytical procedure consisted of a comparison of the efficient (constructed, based on Neoclassical microeconomic theory) dimensions of industry performance, the anticipated (constructed, based on industry and regulatory characteristics) dimensions of industry performance, and the observed (constructed, based on data supplied by the Columbia Basin Trucking Survey) dimensions of industry performance associated with each of four performance dimensions--responsiveness to demand, cost **efficiency**, profitability and capacity utilization. Responsiveness to demand was **measured** in terms of the entry rate of truckers over **time** in **response** to changes in the volume of agricultural marketings. Cost efficiency was assessed in terms of the sampled carriers' annual output and unit cost as compared to the optimum output and minimum unit cost indicated for the industry by the estimated long run average cost curve. Profitability was measured directly from the survey data in terms of

profit, gross margin, and rate of return. Capacity utilization was evaluated in terms of actual utilization as compared with a maximum capacity coordiante.

The performance evaluation indicated that Washington's primary agricultural motor carriers were responsive to demand but operated at levels of output significantly below the optimal output, which resulted in high unit cost. Even though rates were significantly above the minimum unit cost level, the high carrier costs resulted in generally negative profits in the industry. The capacity utilization evaluation suggested that the carriers were operating at about forty percent of full equipment capacity.

The performance of the industry can be characterized by two statements. The industry was responsive to demand, but low firm output resulted in high unit costs and low profits for the industry. The Washington Utilities and Transportation Commission, although inducing immediate demand responsiveness, allowed the primary carriers to operate at low inefficient outputs by granting rates which matched the high unit costs of the inefficient production.

Two policy alternatives were suggested as appropriate to deal with this industry inefficiency. The first called for relaxation of all economic regulation in order to allow the workings of the unrestricted **market** to move the industry towards efficiency. The second called for tighter control of entry and rate in order to induce some firms to leave the **market** and others to move to efficient output levels with low unit costs. Although both policy alternatives could result in the same industry performance, the unrestricted **market** alternative was suggested to be preferred because the rate and entry flexibility associated with that alternative might make the transition to efficiency more stable.

12/5/71 (Item 1 from file: 583)

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06657312

EC projects focus on finishes

SINGAPORE: STRESS ON QUALITY OF EXECUTIVE CONDOS
Business Times (XBA) 16 Jul 1998 P.5
Language: ENGLISH

Singapore's executive condominium (EC) developers are working to make their projects stand out by focusing on quality of the projects and also the facilities provided, as more new EC projects are launched into the sluggish property **market**. However, launch prices for ECs will be falling. The **effective** average price of the 720-unit Northoaks in Woodlands is only S\$ 350 psf, after absorption of stamp duty and **estimated** interest cost savings from the deferred payment scheme. This assumes that the buyer is a first- **time** homeowner who will **receive** the S\$ 40,000 housing grant from the government.

PRODUCT: Multifamily Housing (1523);
EVENT: Commodity & Service Prices (72); Product Standards (35);
COUNTRY: Singapore (9SIN);

12/5/72 (Item 2 from file: 583)

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01922313

REAL- TIME INFORMATION ACCESS SYSTEMS EXAMINED
US - REAL- TIME INFORMATION ACCESS SYSTEMS EXAMINED
Data Communications (DAT) 0 May 1988 p159
ISSN: 0363-6399

Following research by McGraw-Hill to **determine** the best means of supplying cost- **effective** , **time** -critical **information** to many different users. It was found that an enhanced FM subcarrier technology with direct satellite transmission provided the most superior service. The company now offers, through its McGraw-Hill Information Management Company, Executive One, a business information service supplying users' microcomputers with real- **time** **information** from several sources and transmitting via satellites in FM subcarriers. Its sources include PR Newswire and AP Online, also Business Week Magazine. The access to the information is given at a considerably reduced cost to direct link-up.

PRODUCT: Electronic Data Interchange (4811ED); Electronic Mail (4811EM);
Value Added Networks (4840VA);
EVENT: **MARKET** & INDUSTRY NEWS (60);
COUNTRY: United States (1USA); NATO Countries (420); South East Asia
Treaty Organisation (913);

12/5/73 (Item 1 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00123264 DOCUMENT TYPE: Review

PRODUCT NAMES: Government (830271); Data Mining (836699)

TITLE: Building Better Web Sites
AUTHOR: Robinson, Brian
SOURCE: Federal Computer Week, v14 n3 p34(2) Feb 7, 2000
ISSN: 0893-052X
HOMEPAGE: <http://www.fcw.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Government agencies are considering using Web mining, a descendent of data mining, to improve the usefulness of their Web sites. With Web mining, agencies can track visitors' clicks to determine what information visitors find most valuable and whether they are finding the **information** they need **quickly** enough. The ultimate goal of using this technology is to personalize pages so they meet each visitor's needs. The primary difference between data mining and Web mining is that, while data mining can take weeks, Web mining analyzes mouse clicks and can take mere minutes. Because Web mining has not met widespread use, it is difficult to **determine** how **effective** it will be. The Environmental Protection Agency hopes to use Web mining to improve people's access to environmental information and to reduce costs. So far, though, there has not been great interest in World Wide Web mining from other government agencies, and The General Services Administration's Federal Technology Service, which brokers IT services for other agencies, is not pursuing Web mining.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: Data Mining; Decision Support Systems; Government; Internet
Traffic Analysis; **Market** Research; Webmasters

REVISION DATE: 20010330

12/5/74 (Item 2 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00118852 DOCUMENT TYPE: Review

PRODUCT NAMES: Cloudscape DB (776271); WebSphere MQ (515591);
SmartSockets (598879); MQexpress (770248); BusinessWare (719307)

TITLE: The Real-Time Enterprise
AUTHOR: Vaughan, Jack
SOURCE: Application Development Trends, v6 n6 p29(4) Jun 1999
ISSN: 1073-9564
HOMEPAGE: <http://www.spgnet.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Dow Jones Interactive's Cloudscape DB, IBM's MQSeries, Talarian's SmartSockets and MQexpress, and Vitria Technology's Vitria BusinessWare 2.0 are highlighted in a discussion of an increasing trend toward the use of automated processes to link previously standalone stovepipe applications in big enterprises expanding real-time processing operations. Among real-time enterprise systems in use is investment banker D.E. Shaw & Company's Talarian-based publish-and-subscribe middleware, which provides a worldwide backbone for statistical arbitrage systems that leverage tiny price changes in capital **markets**. National Power also trades electricity online, and Dow Jones Interactive uses Cloudscape DB and an XML application server to integrate varied newsfeeds for use on corporate intranets. The Toronto Works and Emergency Service Department uses a performance and operations management system to provide hourly data to shop floor crews where monthly data had previously been provided. Sigma Games' slot machines are lined to a Raima embedded database system that tracks activity, including the status of the machines' preset payoff tables. Delta Airlines uses MQSeries software to create a real- **time information** delivery system. Many vendors in the enterprise application integration **market** have a place in the new real-time enterprise, which is spurred by technology variously described as zero- **latency** enterprise, event-driven **computing**, just-in-time **computing**, and straight-through processing.

COMPANY NAME: Cloudscape Inc (639737); IBM Corp (351245); Talarian Corp (489697); Vitria Technology Inc (634549)
SPECIAL FEATURE: Charts Tables
DESCRIPTORS: Communications Interfaces; Enterprise Application Integration
; Integration Software; Middleware; Network Software; Real Time Data
Acquisition; WebSphere
REVISION DATE: 20030728

12/5/75 (Item 3 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00111641 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows CE (633119); RangeLAN 2 (420352)

TITLE: Wireless LAN Gives Windows CE Devices a Network Connection

AUTHOR: Briggs, Bill

SOURCE: Windows in Health Care, v1 n3 p12(1) Fall 1998

HOME PAGE: <http://www.faulknergray.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Palmtop computers that run Microsoft's Microsoft Windows CE operating system offer an easy way for clinicians to enter data as they go between rooms. However, these devices have lacked a way to link to the enterprise network. This may change with an alliance between Proxim and Odyssey Software. Odyssey's CEFusion software will work with Proxim's hardware to create a Windows CE platform that can access key **information** stores in real **time**. Palmtop computers are loaded with Proxim's RangeLAN 2 wireless LAN software and Odyssey's CEFusion interconnectivity software. An antenna attached to the palmtop transmits and receives data by radio waves in the 2.4GHz band, and data can be transmitted to or received from an access point, such as an antenna mounted on the ceiling or wall. Multiple users can send and receive information from one access point, and each access point covers 30,000 to 90,000 square feet, depending on the physical construction of the building. The solution brings **effective** information gathering to the hospital bedside. Several health care organizations have purchased the system, which includes several **security measures** including a frequency-hopping, spread-spectrum technology that changes the broadcast channel five times per second.

COMPANY NAME: Microsoft Corp (112127); Proxim Inc (547816)

DESCRIPTORS: Handhelds & Palmtops; Health Care; Health Care Facilities; Hospitals; Mobile Computing; Network Software; Operating Systems; Patient Care; Point of Care; Windows CE; Wireless Networks

REVISION DATE: 20010930

12/5/76 (Item 4 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00096712 DOCUMENT TYPE: Review

PRODUCT NAMES: EIS (830191)

TITLE: The Executive Information System: Part 1

AUTHOR: Decker, Sidney R

SOURCE: Data Management Review (DM Review), v6 n9 p62(3) Oct 1996

ISSN: 1066-5498

HOME PAGE: <http://www.dmreview.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

An examination of executive information system (EIS) usage in the 1990s describes the challenge of the EIS, its design and purpose, and how an envisioned EIS support environment controls and coordinates the enterprise. Today's business takes place in a worldwide **market** in real time, and the ability to optimize transitory opportunities requires tools that provide **quick** access to dependable, precise **information**. A possible EIS support

environment could control and organize the enterprise via workgroup business processes that interact with an active simulation model of the enterprise. The enterprise model is the foundation of a genuine command control system needed by many executives. Such EISs offer a working environment that merges **quickly** organized **information** access with functions for achieving consensus, compliance, and feedback **measurements**. An **effective** EIS provides online reporting applications that allow decision-makers to review summarized data from many sources in the enterprise. EISs currently often lack 'what if' support, feedback functions, and features supporting executive deployment of enterprise resources and the ability to initiate, modify, or replace processes.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: Business Models; Decision Support Systems; EIS (Executive Information Systems); Information Retrieval; Report Generators
REVISION DATE: 20000430

12/5/77 (Item 5 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00063576 DOCUMENT TYPE: Review

PRODUCT NAMES: Micrografx Designer (420727); CorelDRAW (701971); Adobe PhotoStyler (328766); Fauve Matisse (488291); Painter 3D (343501)

TITLE: The Confusing World of PC Paint
AUTHOR: Liebman, Sheldon
SOURCE: Videography, v19 n2 p60(3) Feb 1994
ISSN: 0363-1001
HOMEPAGE: <http://www.videography.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

PC paint packages have various foci, which can make product selection confusing. PhotoShop plug-ins comprise an entire **market**, supporting PhotoShop with paint and imaging add-ons. Designer now ships with a CD-ROM of 200+ fonts, and CorelDraw supplies 18,000+ clip art symbols on a CD. Designer and Corel are not primarily paint packages, but each has a paint module. Aldus PhotoStyler, Fauve Matisse, and Fractal Design Painter are full-functioned paint packages, all of which support pressure-sensitive data tablets. Airbrush **response time** is still a good way to **measure effective** painting techniques in any program. For working with video, however, users need products like Video Clipboard, a low cost product that combines the ability to act as a link between frame buffers and Windows. Video Clipboard makes the VGA a 'preview' device and the video frame a 'live' monitor.

COMPANY NAME: Corel Corp (421723); Adobe Systems Inc (394173);
Macromedia Inc (423106)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Clip Art; Digital Video; Draw; Graphics Tools; Image Processing; Paint
REVISION DATE: 20030221

12/5/78 (Item 6 from file: 256)

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00063349 DOCUMENT TYPE: Review

PRODUCT NAMES: TickBase (506991)

TITLE: Collect Data Without the Clock Ticking Away

AUTHOR: Staff

SOURCE: Financial Technology Review, v1 n3 p10(1) Mar/Apr 1994

ISSN: 1071-3646

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

Many **stock market** traders rely on online databases to obtain the most current **market** news and figures. However, sifting through large quantities of data can be tedious and time-consuming. TickBase helps UNIX users retrieve and store financial **information quickly and efficiently**. The product is for Reuters, Telerate, Knight-Ridder, and other real-time database users. View, analysis, and **calculation** functions are supported via an open applications program interface (API), and the user can set filters to capture **market** data (tick). A proprietary real-time database stores a comprehensive collection of tick data that can be shared. Data collection and storage is continuous until the user changes the parameters.

PRICE: \$500

COMPANY NAME: Leading **Market** Technologies Inc (504203

SPECIAL FEATURE: Screen Layouts

DESCRIPTORS: Content Providers; Financial Information; Information
Retrieval; Investment Analysis; **Stock Market**

REVISION DATE: 20000830

Set	Items	Description
S1	4	AU=(AMANAT, I? OR AMANAT I?)
S2	2161593	MEASUR? OR CALCULAT? OR DETERMIN? OR COMPUTE OR COMPUTES OR COMPUTING OR ESTIMAT?
S3	1837809	EFFECTIVE? OR EFFICIEN?
S4	68573	LATENT? OR LATENCY
S5	165200	STOCK? ? OR BOND? ? OR SECURITY OR SECURITIES? OR MARKET?
S6	196129	(TIME OR SPEED OR QUICK?) (5N) (RECEIVE? OR RESPON? OR FEEDB- ACK? OR MESSAGE? OR INFORMATION)
S7	1	S1 AND S4
S8	43753	S2 (10N) S3
S9	164	S8 (20N) S5
S10	21	S9 (10N) (TIME OR SPEED?)
S11	22653	S2 (15N) S6
S12	58	S11 (10N) S5
S13	79	S10 OR S12
S14	47	S13 AND IC=(H04L? OR G06F?)

? show file

File 344:Chinese Patents Abs Aug 1985-2003/Apr
(c) 2003 European Patent Office

File 347:JAPIO Oct 1976-2003/May(Updated 030902)
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200362
(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.

7/5/1 (Item 1 from file: 350)
DIALOG(R) File 350: Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014541405 **Image available**
WPI Acc No: 2002-362108/200239
XRPX Acc No: N02-283065

Load balancing among data communications ports in automated securities trading systems in which overload determinations are made based on latency or net order count

Patent Assignee: TRADESCAPE TECHNOLOGIES LLC (TRAD-N)

Inventor: AMANAT I ; BUNDY M

Number of Countries: 095 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200217559	A2	20020228	WO 2001US25215	A	20010813	200239 B
AU 200186443	A	20020304	AU 200186443	A	20010813	200247

Priority Applications (No Type Date): US 2000643073 A 20000821

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200217559 A2 E 39 H04L-012/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200186443 A H04L-012/00 Based on patent WO 200217559

Abstract (Basic): WO 200217559 A2

NOVELTY - Involves receiving an acknowledgement of orders previously sent through a port from a broker-dealer system to a market, sending acknowledgments to the broker-dealer system, and determining that ports are not overloaded.

DETAILED DESCRIPTION - Overload determinations are made based on **latency**, net order count, or order count compared with acknowledgment count.

AN INDEPENDENT CLAIM is also included for a load balancing system.

USE - For balancing data communications loads among data communications ports in systems for automated trading of securities.

ADVANTAGE - Sends orders only through least-loaded ports.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the system to which the method is applied.

pp; 39 DwgNo 1/13

Title Terms: LOAD; BALANCE; DATA; COMMUNICATE; PORT; AUTOMATIC; SECURE;
TRADE; SYSTEM; OVERLOAD; DETERMINE; MADE; BASED; **LATENT**; NET; ORDER;
COUNT

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/00

File Segment: EPI

?

14/5/1 (Item 1 from file: 344)

DIALOG(R)File 344:Chinese Patents Abs

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4358450

FINANCIAL DATA BASE EXPANDING SYSTEM AND METHOD

Patent Assignee: JINGYE CO LTD (CN)

Author (Inventor): LANFANG TAN (CN)

Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1388451	A	20030101 (Basic)

Application Data:

CC Number	Kind	Date
*CN 2001118299	A	20010528

Abstract: The financial data base value-adding system includes one data with separately stored real-time stock information and industrial information group; one member stock editing module to edit member stocks; at least one value-adding calculation module for special data calculation to produce member stock data analysis; one member stock option producing module to produce various member stock options connected to at least one group of corresponding member stock data analysis. The financial data base value-adding method includes the steps of connecting to a financial data base via the network system, starting one member stock optical producing module, and starting at least one special member stock option.

IPC: G06F-013/00 ; G06F-017/30 ; G06F-017/60

14/5/2 (Item 2 from file: 344)

DIALOG(R)File 344:Chinese Patents Abs

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4319182

STOKE EXCHANGE FOLD-LINE METHOD CAPABLE OF BEING OPERATED VIA COMPUTER

Patent Assignee: QU YINGZHOU (CN)

Author (Inventor): YINGZHOU QU (CN)

Number of Patents: 000

Patent Family:

CC Number	Kind	Date
CN 1349183	A	20020515 (Basic)

Application Data:

CC Number	Kind	Date
*CN 2001135700	A	20011018

Abstract: The optimized combination of preferred stock certificate and optimal time for buying and selling stock is realized based on principle of systems theory and cybernetics in calculated quantitative mode. High speed, high efficiency, modeling, encode etc. makes analysis by 'fool' computer possible. The broken line is used to indicate trend of stock. It is clear and simple that stock should be bought when inflection point is up, contrarily selling it. The invention makes 20 more technical indicators unify to provide accuracy and is suitable to middle and small amount of investor.

IPC: G06F-017/15

14/5/3 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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07616697 **Image available**

RECEIVED DATA PROCESSOR AND RECEIVED DATA PROCESSING METHOD

PUB. NO.: 2003-110546 [JP 2003110546 A]
PUBLISHED: April 11, 2003 (20030411)
INVENTOR(s): YAMADA MASAHIRO
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 2001-375023 [JP 20011375023]
FILED: September 29, 2001 (20010929)
INTL CLASS: H04L-009/08 ; G11B-020/10; G11B-020/12; H04L-009/32 ;
H04N-005/91

ABSTRACT

PROBLEM TO BE SOLVED: To provide a received data processor in which easiness in access to the time data of receiving can be made compatible with **security** against alteration of the **time** data.

SOLUTION: This **received** data processor has a tuner 1 for receiving contents, a timer 2 for **measuring** the time data, a generation part 13 for generating a key source data, a CPU 4 for executing prescribed arithmetic by using the time data and key source data, an enciphering/deciphering part 5 for enciphering the contents received by the tuner on the basis of this arithmetic result, and a recording means for recording the enciphered data and the time data on an HDD 10.

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14/5/4 (Item 2 from file: 347)

DIALOG(R)File 347:JAPIO

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07518323 **Image available**

STOCK MANAGEMENT METHOD AND SYSTEM

PUB. NO.: 2003-012153 [JP 2003012153 A]
PUBLISHED: January 15, 2003 (20030115)
INVENTOR(s): KONO AKITO
APPLICANT(s): NEC SOFTWARE KYUSHU LTD
APPL. NO.: 2001-193484 [JP 20011193484]
FILED: June 26, 2001 (20010626)
INTL CLASS: B65G-061/00; G05B-019/418; G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide a stock management system capable of grasping the reservable stock number.

SOLUTION: A production schedule system 10 determines the shipping schedule number of articles at the time of planning of the shipping schedule. A shipping instruction number reservation processing part 6 reduces the shipping instruction number from the shipping schedule number when the shipping instruction number of the articles is designated and the shipping is instructed and a shipping processing part 9 reduces the shipping results number from the stock number at the time of shipping processing. The shipping results number is added to the **stock** number of the articles and the shipping schedule number and the shipping instruction number are subtracted to **determine** an **effective stock** number. If the shipping schedule number of the articles **determined** at the **time** of planning of a new shipping schedule is not more than the effective **stock** number, it is judged that the reservation of the above articles is possible and if the number is more than the effective stock number, it is judged that the

reservation of the articles is not possible. If the stock instruction number of the articles designated at the time of new shipping instruction is not more than the effective stock number, it is judged that the reservation of the articles is possible and if the number is more than the effective stock number, it is judged that the reservation of the articles is not possible.

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14/5/5 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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07406139 **Image available**
CONSUMABLES ORDERING AND DELIVERY SYSTEM

PUB. NO.: 2002-274645 [JP 2002274645 A]
PUBLISHED: September 25, 2002 (20020925)
INVENTOR(s): HYO ICHIRO
APPLICANT(s): RICOH CO LTD
APPL. NO.: 2001-077599 [JP 20011077599]
FILED: March 19, 2001 (20010319)
INTL CLASS: B65G-061/00; **G06F-017/60**

ABSTRACT

PROBLEM TO BE SOLVED: To provide a consumables ordering and delivery system enabling a user to confirm the delivery **time** and delivery contents in advance by preventing out of **stock** of consumables by **estimation**, and capable of making an **efficient** delivery plan so as to prevent the waste of re-delivery in a near time.

SOLUTION: This consumables ordering and delivery system is provided with a remote management system capable of performing management at a remote place through a communication line. The out of stock time of consumables is calculated from the consumables use data collected through the remote management system, and according to the calculation result, a delivery plan is made.

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14/5/6 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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07364556 **Image available**
STORAGE SYSTEM AND METHOD

PUB. NO.: 2002-233053 [JP 2002233053 A]
PUBLISHED: August 16, 2002 (20020816)
INVENTOR(s): YOROZU MASATAKA
HOIZUMI SHINICHI
AYA KEIICHI
APPLICANT(s): HITACHI LTD
APPL. NO.: 2001-027846 [JP 20011027846]
FILED: February 05, 2001 (20010205)
INTL CLASS: H02J-003/00; **G06F-017/60** ; H02J-003/28

ABSTRACT

PROBLEM TO BE SOLVED: To purchase and store electric power during a low

Bode Akintola06-Oct-03

price and sell it during a high price in an electric power transaction market in which the electric power price fluctuates in the elapse of time.

SOLUTION: The electric power price in the electric power transaction market is received at a real time through the Internet by a purchase will determining device 1, the purchase amount and the purchase time of the electric power are determined according to prescribed purchase algorithm, contacted to the electric power transaction market, the purchase charge of a determined purchase electric energy part is transmitted from an electronic payment device 5 to the electric power transaction market, a receiving control device 2 receives the determined purchase electric energy, and stored to a storage device 6. In addition, the electric power price is also received by a selling will determining device 4 at the real time in the electric power transaction market, the selling amount and the selling time of the electric power are determined according to prescribed algorithm, contacted to the electric power transaction market, the electric power selling charge of the determined selling electric energy part is received by the electronic payment device 5 from the electric power transaction market, and a power transmission control device 3 transmits the selling electric energy to the electric power transaction market.

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14/5/7 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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07139451 **Image available**

SALES DISTRIBUTION SYSTEM, AND APPROPRIATE ARRANGING METHOD OF STOCK IN THE SYSTEM

PUB. NO.: 2002-007823 [JP 2002007823 A]
PUBLISHED: January 11, 2002 (20020111)
INVENTOR(s): JITSUPOU AKIRA
APPLICANT(s): NEC CORP
APPL. NO.: 2000-185392 [JP 2000185392]
FILED: June 20, 2000 (20000620)
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To suppress generation of shortage of commodities caused by the increase of the demand after the stock adjustment, or generation of excessive stocks caused by the decrease in the demand after the stock adjustment.

SOLUTION: In this sales distribution system in which a keyboard display device 12 of a terminal for setting the order reception sureness for an expected item is connected to an appropriate stock re-arrangement processing device 11 for re-arranging the stocks on the real time basis by adjusting the stocks based on the optimum demand prediction for the order reception sureness, and updating the order reception sureness as necessary via a communication medium such as the Internet, the appropriate stock re-arrangement processing device 11 stores the order reception information comprising the commodity delivery time, the order reception quantity and the order reception sureness one by one, calculates the lead time for procurement from the information on the relative number of days from the reference number of days for procurement pre-defined by the order reception sureness and the commodity delivery time, calculates the actual procurement by multiplying the procurement factor predefined based on the calculated lead time by the order reception quantity, and adjusts

the stock arrangement based on the actual procurement.

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14/5/8 (Item 6 from file: 347)
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07055367 **Image available**
SECURITY INDEX CALCULATION SYSTEM

PUB. NO.: 2001-283002 [JP 2001283002 A]
PUBLISHED: October 12, 2001 (20011012)
INVENTOR(s): HOSHINO SHIGEKI
NISHIZAWA HIROYUKI
APPLICANT(s): NIHON KEIZAI SHIMBUN INC
KUIKKU KK
APPL. NO.: 2000-098052 [JP 200098052]
FILED: March 31, 2000 (20000331)
INTL CLASS: G06F-017/60 ; G06F-011/20

ABSTRACT

PROBLEM TO BE SOLVED: To provide a security index calculation system for providing index information stably and reliably.

SOLUTION: The **security** index calculation system for calculating index information by inputting **security** price information in real time prepares fundamental information for calculating the index information in a time zone when a market is closed and calculates the index information based on this fundamental information and the **security** price information in accordance with the input of the security price information in a time zone when the market is closed.

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14/5/9 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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06882228 **Image available**
SYSTEM FOR MONITORING MARKET QUALITY

PUB. NO.: 2001-109736 [JP 2001109736 A]
PUBLISHED: April 20, 2001 (20010420)
INVENTOR(s): SANO KEIJI
KAWAKAMI MITSUO
IIMURA TAMOTSU
AMANO TORAICHI
TANAKA YASUTAKA
APPLICANT(s): HONDA MOTOR CO LTD
APPL. NO.: 11-291675 [JP 99291675]
FILED: October 13, 1999 (19991013)
INTL CLASS: G06F-017/00 ; B23Q-041/08; G05B-015/02

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system which ranks customer information on the quality of products appearing on the market in each item with an occurrence accumulated value (e.g. the number of occurrence accumulation

cases or amount), specifies products that are between the top and the upper n-th products as an important measure item in an important measure list, takes measures about the important measure items and decides whether or not the measures about the important measure items bring about a prescribed effect.

SOLUTION: This system can decide the priority of the **measure** items, make the **measures** **time** of discrepancy **information** appropriate and also find **market** needs at an early stage.

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06848569 **Image available**
METHOD AND DEVICE FOR MANAGING ARTICLES IN STOCK

PUB. NO.: 2001-076069 [JP 2001076069 A]
PUBLISHED: March 23, 2001 (20010323)
INVENTOR(s): KUBOTA HIROSHI
APPLICANT(s): NEC CORP
APPL. NO.: 11-247685 [JP 99247685]
FILED: September 01, 1999 (19990901)
INTL CLASS: G06F-019/00 ; B65G-001/137

ABSTRACT

PROBLEM TO BE SOLVED: To conduct ABC analysis of articles in stock.

SOLUTION: A 1st processing means 21 obtains information from a current warehoused quantity storage 31, a determined delivery quantity storage 32, a determined warehousing quantity storage 33, a schedule delivery quantity storage 34, and an invoice unit price storage 35, and a 2nd processing means 22 calculates the total stock money amount. A 3rd processing means 23 accumulates the stock money amounts in the decreasing order and also calculates the ratio of the **calculated** amounts with respect to the total **stock** money amount at the same **time**. The ratio is compared with **information** in an ABC rate storage part 36 for making ABC judgments. Analyses can be taken with not only the current stock quantity, but also a quantity which can currently be reserved and a quantity which can be reserved in a determined period or in a planned period.

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14/5/11 (Item 9 from file: 347)
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06596158 **Image available**
DELIVERY DATE COMPUTING PROCESSOR

PUB. NO.: 2000-181955 [JP 2000181955 A]
PUBLISHED: June 30, 2000 (20000630)
INVENTOR(s): KUSUMOTO KOJI
APPLICANT(s): SEKISUI CHEM CO LTD
APPL. NO.: 10-354579 [JP 98354579]
FILED: December 14, 1998 (19981214)

INTL CLASS: G06F-017/60 ; B23Q-041/08; G06F-019/00

ABSTRACT

PROBLEM TO BE SOLVED: To immediately answer an accurate delivery date even in the case of receiving an order for a product causing shortage without a warehousing schedule.

SOLUTION: This processor is provided with a process schedule preparation part 1 for preparing a process schedule, a result management part 2 for gathering results for the process schedule and managing a progress condition, an earliest product start date and time calculation part 3 for calculating earliest production start date and time for respective machines every time the process schedule at present is changed and every time the progress condition of a process and a stock condition to the process schedule are changed and an order management part 4 for calculating a date capable of delivery based on the earliest production start date and time calculated by the earliest production start date and time calculation part 3 for the order causing **stock** run-out at the **time** of allocating **stock** to the **received** order.

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14/5/12 (Item 10 from file: 347)

DIALOG(R)File 347:JAPIO

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05915632 **Image available**
INFORMATION DISPLAY DEVICE

PUB. NO.: 10-198732 [JP 10198732 A]
PUBLISHED: July 31, 1998 (19980731)
INVENTOR(s): IWATA KOICHI
TAKECHI EIJI
MORIMOTO KAZUTOSHI
ARIAKE SOICHIRO
APPLICANT(s): KOKUSAI ELECTRIC CO LTD [000112] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-001596 [JP 971596]
FILED: January 08, 1997 (19970108)
INTL CLASS: [6] G06F-017/60 ; G09G-005/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.9 (COMMUNICATION -- Other)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

ABSTRACT

PROBLEM TO BE SOLVED: To display in real **time** the ranking **information** by **calculating** the ranking of **security** information as the ranking information from a telegraphic message of the security information based on the reference that is previously set for every ranking type.

SOLUTION: Receiving the input of information from a receiving part 31, a CPU 38 stores the information in a security data storage table of a RAM 34 and decides the propriety of the ranking calculation by referring to the calculation propriety flag of a ranking calculation object decision table and with the ID included in the received information defined as a key. If the ranking calculation corresponding to the ID is necessary, the CPU 38 refers to a group of various calculation propriety flags corresponding to the above calculation propriety flag and repetitively executes the ranking processing for the ranking items (e.g. a price rise rate, a price rise

range and the sales) to be calculated. Then, the CPU 38 changes the updated ranking information to display and output it when this information is displayed at a display part 33

14/5/13 (Item 11 from file: 347)

DIALOG(R) File 347:JAPIO

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05895322 **Image available**

DATA COMMUNICATION EQUIPMENT AND ITS METHOD

PUB. NO.: 10-178422 [JP 10178422 A]

PUBLISHED: June 30, 1998 (19980630)

INVENTOR(s): UKIANA TOMOOKI

OKURA MAKOTO

KISHINO SATORU

TAKAI NOBUYUKI

TANUMA HIROYUKI

APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 08-339577 [JP 96339577]

FILED: December 19, 1996 (19961219)

INTL CLASS: [6] H04L-012/00 ; H04L-029/04 ; H04M-011/00; H04M-015/16

JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.2 (COMMUNICATION -- Transmission Systems); 44.4 (COMMUNICATION -- Telephone)

ABSTRACT

PROBLEM TO BE SOLVED: To improve selecting performance by setting plural evaluation element evaluating a communication means characteristic, referring to this so as to calculate an evaluating point by each element and comparing a total evaluating points of each communication means so as to select an optimum communication means.

SOLUTION: A characteristic storing means 301 stores communication means characteristic such as a communication **speed**, charging **information** for **calculating** a communication charge, **security** information. An individual element evaluating part 303 evaluates the communication means characteristic of a characteristic storing part 301 by each evaluation element to output an individual communication means and individual evaluation element evaluating point 305. A total evaluation part 307 inputs this and totals by each communication means to calculate-output a total evaluating point 309. A communication means selection part 311 compares this and selects a communication means of a high evaluating point 309 to execute data transfer. Then, an evaluation function storing part 320 stores an evaluation function for expressing the evaluation element by a numerical value and converting it to an evaluating point. In addition, an evaluating point storing part 322 defines and stores an evaluating point corresponding to the communication means characteristic. A weighting information storing part 330 stores weight information.

14/5/14 (Item 12 from file: 347)

DIALOG(R) File 347:JAPIO

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04732038 **Image available**

PHYSICAL DISTRIBUTION/STOCK BEHAVIOR SIMULATION METHOD

PUB. NO.: 06-203038 [JP 6203038 A]

PUBLISHED: July 22, 1994 (19940722)

INVENTOR(s): YAMASHITA MASAHIRO
UI KENJI
APPLICANT(s): NIPPON STEEL CORP [000665] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 04-358849 [JP 92358849]
FILED: December 28, 1992 (19921228)
INTL CLASS: [5] G06F-015/21 ; G06F-015/20
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PURPOSE: To provide the physical distribution/stock behavior simulation method being optimal for making the equipment capacity of each process in multi-process appropriate, curtailing stock between processes, and shortening the manufacturing construction period.

CONSTITUTION: In the process for manufacturing a kind of products requiring many processes and various combinations of order of process, a common **message** area and an object management **time** area are secured on a memory, data for **calculating** a passing process route of each material, a **stock** process and a processing time required for each process are registered in this memory, an operation of each process with the lapse of time is simulated based on this data, a flow of a material is simulated by varying a state of the present process of a passing material, and the fluctuation of the stock quantity between the processes, the equipment capacity and a passing process time of each material are derived.

14/5/15 (Item 13 from file: 347)

DIALOG(R) File 347:JAPIO

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04258692 **Image available**

AUTOMATIC ISSUE SYSTEM FOR REPEAT ORDER RECEPTION LEDGER

PUB. NO.: 05-250392 [JP 5250392 A]
PUBLISHED: September 28, 1993 (19930928)
INVENTOR(s): AKITA HIROHISA
APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 04-049783 [JP 9249783]
FILED: March 06, 1992 (19920306)
INTL CLASS: [5] G06F-015/22 ; B65G-001/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 26.9
(TRANSPORTATION -- Other)
JOURNAL: Section: P, Section No. 1672, Vol. 18, No. 14, Pg. 7, January
11, 1994 (19940111)

ABSTRACT

PURPOSE: To predict the movement of demand on an article which is repeatedly ordered and to set an order reception period and a manufacture input period according to the movement of demand.

CONSTITUTION: A character-display graph which show the ratio of the delivery quantities of respective months is generated and periodic articles are selected according to the graph. Then the demand quantity of each of the article is estimated from the transition of the delivery quantity of past three months (S1), and the out-of-stock period of inventories is predicted by dividing the volume of inventories by the demand quantity (S2). Then a next-time order reception period for preventing a backlog from being exceeded is calculated by subtracting a standard lead time from the period where the backlog is exceeded and the manufacture input period for unmanufactured articles for preventing an out-of- **stock** state is

calculated by subtracting the standard lead time from the out-of- stock period (S3). Then information on the set next- time order reception period is sent to the sales department for repeat order reception billing and the unmanufactured article input period is sent to the factory (S4).

14/5/16 (Item 14 from file: 347)

DIALOG(R) File 347:JAPIO

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04017161 **Image available**

RAW FUEL CONVEYANCE CONTROL METHOD

PUB. NO.: 05-008861 [JP 5008861 A]

PUBLISHED: January 19, 1993 (19930119)

INVENTOR(s): MATSUMOTO MORIKAZU

ASADA MAKOTO

NAKANISHI MITSUHIRO

IIDA HIROYUKI

KATO YUJI

APPLICANT(s): NIPPON STEEL CORP [000665] (A Japanese Company or Corporation), JP (Japan)

SHINNITSUTETSU JOHO TSUSHIN SYST KK [000000] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 03-159229 [JP 91159229]

FILED: June 29, 1991 (19910629)

INTL CLASS: [5] B65G-063/00; G06F-015/24

JAPIO CLASS: 26.9 (TRANSPORTATION -- Other); 45.4 (INFORMATION PROCESSING -- Computer Applications)

JOURNAL: Section: M, Section No. 1419, Vol. 17, No. 279, Pg. 121, May 28, 1993 (19930528)

ABSTRACT

PURPOSE: To reduce incurring of a conveyance work loss by arranging a fuzzy inference mechanism to a mechanism to determine priority from a stock amount in a storage tank, a feed amount, and the moving distance of a conveying device, selecting a plurality of simultaneous conveyable work candidates based on the priority, deciding a conveyance starting time completing time, and effecting feedback to calculate a stock and decide priority.

CONSTITUTION: The lower limit value of a stock amount in each storage tank is set, and a conveyance work candidate is set by a conveyance work candidate generating means 12 based on stock transition forecasting. A mechanism 13 to integrately determine priority to each work candidate from a stock amount in the storage tank, a feed amount, and the moving distance of a conveying device is arranged to hierarchical structure having a fuzzy inference function to decide a policy by grasping the state of a whole and decide details according to the policy. A plurality of simultaneous conveyance work candidates are selected by a conveying work selecting means 14 based on priority and a conveyance starting time completion time is decided by a means 15. Feedback is made to a means 13, a stock is calculated by a stock calculating means 5, and recursive operation is carried out

14/5/17 (Item 15 from file: 347)

DIALOG(R) File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

02902872 **Image available**

USED CAR RETRIEVING AND ESTIMATING SYSTEM

PUB. NO.: 01-200472 [JP 1200472 A]
PUBLISHED: August 11, 1989 (19890811)
INVENTOR(s): NISHIDA SHUICHI
APPLICANT(s): KYUSHU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 63-025286 [JP 8825286]
FILED: February 04, 1988 (19880204)
INTL CLASS: [4] **G06F-015/21**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 957, Vol. 13, No. 499, Pg. 155,
November 10, 1989 (19891110)

ABSTRACT

PURPOSE: To enlarge a retrieval range of **stock information**, to shorten the retrieval **time** and to quickly generate an exact **estimate** by displaying the **stock** information by referring to a used car stock information file in accordance with an input from a customer and generating the estimate by controlling a printing means.

CONSTITUTION: In accordance with an input character from a customer by an input means 1-1, a used car stock information file part 1-5 is referred to by a stock information retrieving part 1-3 and the corresponding used car stock information is read out, and displayed on a display means 1-6. By using this used car stock information as an estimate condition, an estimate is generated by an estimate generating part 1-12 through a tariff table obtaining part 1-10, a tariff converting part 1-11, etc., and an estimate is printed by a printing means 1-14. According to this constitution, a retrieval range of **stock information** is enlarged, the retrieval **time** is shortened, and an exact **estimate** can be printed and generated quickly.

14/5/18 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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015597961 **Image available**
WPI Acc No: 2003-660116/200362
XRPX Acc No: N03-526406

Hardware tokens processing method for public key infrastructure solution, involves loading software package that cryptologically validates and decrypts future keys and certificates, on token

Patent Assignee: TRW INC (THOP); AULL K W (AULL-I); BELLMORE M A (BELL-I)
; FREEMAN W E (FREE-I); KERR T C (KERR-I)

Inventor: AULL K W; BELLMORE M A; FREEMAN W E; KERR T C

Number of Countries: 031 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030115455	A1	20030619	US 200127563	A	20011219	200362 B
EP 1322088	A2	20030625	EP 200228074	A	20021217	200362

Priority Applications (No Type Date): US 200127563 A 20011219

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030115455 A1 11 H04L-009/00

EP 1322088 A2 E H04L-029/06

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): US 20030115455 A1

NOVELTY - An unique key encipherment certificate and authority certificate are written on the token. A software package that cryptologically validates and decrypts future keys and certificates, is loaded on the token on which an unique private key matching the unique key encipherment certificate is written.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) system for centralized processing of hardware tokens for public key infrastructure solution; and

(2) apparatus comprising storage medium containing program execution instructions.

USE - For processing hardware tokens for public key infrastructure (PKI) solutions in organizations.

ADVANTAGE - As a secure communication path is established from certificate management system to an individual token, the need for trusted workstations and manual **security** procedures are eliminated reliably. The processing **time** for generating keys is reduced and token is formed **efficiently**. The integrity of the key is **determined** reliably.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the public key infrastructure (PKI) system architecture.

pp; 11 DwgNo 2/4

Title Terms: HARDWARE; TOKEN; PROCESS; METHOD; PUBLIC; KEY; SOLUTION; LOAD; SOFTWARE; PACKAGE; VALID; FUTURE; KEY; CERTIFY; TOKEN

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00 ; H04L-029/06

International Patent Class (Additional): G06F-001/00

File Segment: EPI

14/5/19 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

015581252 **Image available**

WPI Acc No: 2003-643409/200361

Method for setting up transport security layer using tls in diameter-based aaa system

Patent Assignee: ELECTRONICS & TELECOM RES INST (ELTE-N)

Inventor: KIM H G; PARK C H; YOO S G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003041431	A	20030527	KR 200172224	A	20011120	200361 B

Priority Applications (No Type Date): KR 200172224 A 20011120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2003041431	A	1	H04L-029/08	

Abstract (Basic): KR 2003041431 A

NOVELTY - A method for setting up transport security layer using a TLS(Transport Layer **Security**) in a diameter-based AAA system is provided to build an efficient and stable system by managing **efficiently** a **time** for TLS connection process and a **computing** resource.

DETAILED DESCRIPTION - A connection setup message of a transport layer is requested to the opposite party through a network in order to start a communication process(S41,S42). The connection setup message is

processed by the opposite party(S43,S44). A response message is received from the opposite party(S45,S46). A CER(Capabilities-Exchange-Request) message is transmitted to the opposite party after the response message is received from the opposite party(S47,S48). The CER message is processed and an outgoing connection is released by performing a selection processor(S49,S50). A TLS handshake protocol is operated if a CEA(Capabilities-Exchange-Answer) message is received from the opposite party(S51-S53).

pp; 1 DwgNo 1/10

Title Terms: METHOD; SET; UP; TRANSPORT; SECURE; LAYER; DIAMETER; BASED; SYSTEM

Derwent Class: T01; W01

International Patent Class (Main): H04L-029/08

File Segment: EPI

14/5/20 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015551539 **Image available**

WPI Acc No: 2003-613694/200358

Method and device for calculating precedence stock index of cyber stock exchanging system

Patent Assignee: YANG Y C (YANG-I)

Inventor: YANG Y C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2003028250	A	20030408	KR 200160270	A	20010927	200358 B

Priority Applications (No Type Date): KR 200160270 A 20010927

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2003028250	A		1	G06F-017/60	

Abstract (Basic): KR 2003028250 A

NOVELTY.- A method and device for calculating a precedence stock index of a cyber stock exchanging system is provided to forecast a progressing direction of an actual stock index before thirty seconds or two minutes.

DETAILED DESCRIPTION - A communication control unit (110) executes a wire/wireless communication related to a precedence stock index among client PCs and a precedence stock index calculating system (100). A main control unit (120) controls the clients PCs in accordance with a management program. A client DB (130) stores a user ID, a password, accounts information, and personal information. An index list and item DB (140) stores an index list according to business categories and an item list possessed in a corresponding index. The management program input unit (150) inputs various kinds of managing programs related to a cyber stock exchange and a precedence stock index calculation program. A precedence stock index calculation program DB (160) stores the precedence stock index calculation program. A precedence stock index calculation unit (170) calculates a precedence stock index using a corresponding calculation program on the precedence stock index calculation program DB (160) inputted from the management program input unit (150) in accordance with a control of the main control unit (120). A precedence stock index recording DB (180) records precedence stock index data calculated in the precedence stock index calculation unit (170) each thirty seconds or one minute, a corresponding index, and a corresponding time. A stock price information DB (190)

stores real time current price information , concerned item stock price information, stock price graph information, etc.

pp; 1 DwgNo 1/10

Title Terms: METHOD; DEVICE; CALCULATE; PRECEDE; STOCK; INDEX; STOCK; EXCHANGE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

.14/5/21 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015292058 **Image available**

WPI Acc No: 2003-352991/200333

XRPX Acc No: N03-281938

Data security system for computer, determines authorization for processing protected data based on assessment of response time by timer which associates responses to requests

Patent Assignee: EPSTEIN M (EPST-I); KONINK PHILIPS ELECTRONICS NV (PHIG)

Inventor: EPSTEIN M

Number of Countries: 023 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030005324	A1	20030102	US 2001894391	A	20010628	200333 B
WO 200303687	A1	20030109	WO 2002IB2589	A	20020628	200333

Priority Applications (No Type Date): US 2001894391 A 20010628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030005324	A1		5	G06F-011/30	
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WO 200303687	A1	E		H04L-029/00	
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Designated States (National): CN JP KR

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Abstract (Basic): US 20030005324 A1

NOVELTY - A verifier (126) determines the authorization for processing protected data based on the assessment of the response time by a timer (128) which associates the responses to the requests.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) processing system; and

(2) information process authorization method.

USE - For protecting data in office LAN, computer in laboratory.

Also for data stored in CD, DVD, smart card.

ADVANTAGE - Prevents improper usage of data when the user is remote from the device using the data.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the security system.

verifier (126)

timer (128)

pp; 5 DwgNo 1/1

Title Terms: DATA; SECURE; SYSTEM; COMPUTER; DETERMINE; AUTHORISE; PROCESS; PROTECT; DATA; BASED; ASSESS; RESPOND; TIME; TIME; ASSOCIATE; RESPOND; REQUEST

Derwent Class: T01; T03; T04

International Patent Class (Main): G06F-011/30 ; H04L-029/00

File Segment: EPI

14/5/22 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015230123
WPI Acc No: 2003-291047/200329
XRPX Acc No: N03-231414

Financial data base expanding system and method

Patent Assignee: JINGYE CO LTD (JING-N)
Inventor: TAN L
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
CN 1388451 A 20030101 CN 2001118299 A 20010528 200329 B

Priority Applications (No Type Date): CN 2001118299 A 20010528

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1388451	A		G06F-013/00	

Abstract (Basic): CN 1388451 A

NOVELTY - The financial data base value-adding system includes one data with separately stored real- time stock information and industrial information group; one member stock editing module to edit member stocks ; at least one value-adding calculation module for special data calculation to produce member stock data analysis; one member stock option producing module to produce various member stock options connected to at least one group of corresponding member stock data analysis. The financial data base value-adding method includes the steps of connecting to a financial data base via the network system, starting one member stock optical producing module, and starting at least one special member stock option.

DwgNo 0/0

Title Terms: FINANCIAL; DATA; BASE; EXPAND; SYSTEM; METHOD

Derwent Class: T01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-017/30 ; G06F-017/60

File Segment: EPI

14/5/23 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015194918 **Image available**
WPI Acc No: 2003-255454/200325
XRPX Acc No: N03-202613

Lean inventory management in product manufacturing industry, involves determining lean buffer stock value representing quantity of product to use as lean buffer stock based on cumulative demand and production values

Patent Assignee: I2 TECHNOLOGIES INC (ITWO-N)
Inventor: HAYES T R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020178092	A1	20021128	US 2001832576	A	20010411	200325 B

Priority Applications (No Type Date): US 2001832576 A 20010411

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20020178092 A1 13 G06F-017/60

Abstract (Basic): US 20020178092 A1

NOVELTY - A cumulative demand value for a specific product at preset time period, is determined for different time period. A production value representing cumulative quantity of the product that can be manufactured at a preset time period, is determined for different time periods. A lean buffer stock value representing the quantity of product to use as lean buffer stock, is determined based on cumulative demand and production values.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) inventory management software; and
- (2) inventory management system.

USE - Lean inventory management in product manufacturing industry.

ADVANTAGE - An appropriate amount of inventory needed to protect the manufacturer from customer demand spikes, is **effectively determined**. The manufacturer identifies the amount of inventory to keep as a lean buffer **stock** even when customer demand spikes occur during earlier **time** periods.

DESCRIPTION OF DRAWING(S) - The figure shows a lean inventory management system.

pp; 13 DwgNo 1/5

Title Terms: LEAN; INVENTORY; MANAGEMENT; PRODUCT; MANUFACTURE; INDUSTRIAL; DETERMINE; LEAN; BUFFER; STOCK; VALUE; REPRESENT; QUANTITY; PRODUCT; LEAN ; BUFFER; STOCK; BASED; CUMULATIVE; DEMAND; PRODUCE; VALUE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/24 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015105369 **Image available**

WPI Acc No: 2003-165886/200316

XRPX Acc No: N03-130990

Machine readable medium stores program for receiving probability which indicates item is available for purchase at store, based on expected time of purchase

Patent Assignee: CALLENDER D B (CALL-I); HOAR K G (HOAR-I); SMITH S A (SMIT-I)

Inventor: CALLENDER D B; HOAR K G; SMITH S A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020147657	A1	20021010	US 2001827620	A	20010406	200316 B

Priority Applications (No Type Date): US 2001827620 A 20010406

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020147657 A1 19 G06F-017/60

Abstract (Basic): US 20020147657 A1

NOVELTY - The medium stores a program for receiving a probability indicating that the item is available for the purchase at a store, from a server based on the expected time of purchase.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the

following:

- (1) Digital processing system; and
- (2) Item availability determination method.

USE - Machine readable medium storing program for determining the item availability through network such as Internet, public switched telephone network and private branch exchange network (PBX), etc.

ADVANTAGE - Enables **effectively determining** the availability of item, so that the consumer finds a particular product in the **stock** at a particular store location at the **time** when the consumer makes a trip to the store.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of the network system.

pp; 19 DwgNo 1/7

Title Terms: MACHINE; READ; MEDIUM; STORAGE; PROGRAM; RECEIVE; PROBABILITY; INDICATE; ITEM; AVAILABLE; PURCHASE; STORAGE; BASED; TIME; PURCHASE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/25 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014907835 **Image available**

WPI Acc No: 2002-728541/200279

XRPX Acc No: N02-574850

Stock transactions cost estimation method for stock market, involves using different stock price fluctuation time series of specific brand, unique fluctuation factor and expected stock rate-of-return, for estimation

Patent Assignee: KINYU ENG GROUP KK (KINY-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002269342	A	20020920	JP 200163185	A	20010307	200279 B

Priority Applications (No Type Date): JP 200163185 A 20010307

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002269342	A	11	G06F-017/60	

Abstract (Basic): JP 2002269342 A

NOVELTY - The transaction cost of a specific brand is estimated with predefined positive/negative tolerances, based on different stock price fluctuation time series of the specific brand, a unique fluctuation factor and expected stock rate-of-return.

USE - For stock market.

ADVANTAGE - The method **effectively estimates** the **stock** transactions cost, as fluctuation factor peculiar to a brand is included in the **time** sequential data of **stock** rate-of-return.

DESCRIPTION OF DRAWING(S) - The figure represents a graphical relationship of stock rate-of-return of a specific brand and stock-price index. (Drawing includes non-English language text).

pp; 11 DwgNo 3/8

Title Terms: STOCK; TRANSACTION; COST; ESTIMATE; METHOD; STOCK; MARKET; STOCK; PRICE; FLUCTUATION; TIME; SERIES; SPECIFIC; BRAND; UNIQUE; FLUCTUATION; FACTOR; STOCK; RATE; RETURN; ESTIMATE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/26 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014785442 **Image available**

WPI Acc No: 2002-606148/200265

Information value estimation method on internet

Patent Assignee: JIN Y J (JINY-I)

Inventor: JIN Y J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002022360	A	20020327	KR 200055110	A	20000920	200265 B

Priority Applications (No Type Date): KR 200055110 A 20000920

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002022360	A	1	G06F-017/60	

Abstract (Basic): KR 2002022360 A

NOVELTY - An information value **estimation** method on the Internet is provided to enable a user to confirm the **information** value in real **time** through a **stock** price of an information provider by reflecting the information value provided through the Internet on the stock price in the web according to the stock dealing of the information provider.

DETAILED DESCRIPTION - The method comprises an information DB(31) storing an advertisement and general information, a stock dealing DB(32) including the stock information and a display code, a member DB(33) storing the personal member information and the information provider(4) information, and a DB(3) server providing the information through a web page to a user, including each DB and transmitting the data stored in each DB to the web server(2). The DB server includes a web server intermediating the stock dealing. The information value estimation method comprises steps of accumulating the cyber money to a user(1) registered as a personal member, selecting a sort of information and the information, paying the information charge and compensation, updating the member DB and the stock dealing DB, and providing a final information.

pp; 1 DwgNo 1/10

Title Terms: INFORMATION; VALUE; ESTIMATE; METHOD

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

14/5/27 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014770979

WPI Acc No: 2002-591683/200264

XRPX Acc No: N02-469523

Stoke exchange fold-line method capable of being operated via computer

Patent Assignee: QU Y (QUYY-I)

Inventor: QU Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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CN 1349183 A 20020515 CN 2001135700 A 20011018 200264 B

Priority Applications (No Type Date): CN 2001135700 A 20011018

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
CN 1349183	A			G06F-017/15			

Abstract (Basic): CN 1349183 A

NOVELTY - The optimized combination of preferred **stock** certificate and optimal **time** for buying and selling **stock** is realized based on principle of systems theory and cybernetics in **calculated** quantitative mode. High **speed**, high **efficiency**, modeling, encode etc. makes analysis by 'fool' computer possible. The broken line is used to indicate trend of **stock**. It is clear and simple that stock should be bought when inflection point is up, contrarily selling it. The invention makes 20 more technical indicators unify to provide accuracy and is suitable to middle and small amount of investor.

DwgNo 0/0

Title Terms: STOKE; EXCHANGE; FOLD; LINE; METHOD; CAPABLE; OPERATE; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-017/15

File Segment: EPI

14/5/28 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014713845 **Image available**

WPI Acc No: 2002-534549/200257

Method for automatically transacting stock on internet

Patent Assignee: YES LTD STOCK CO (YESS-N)

Inventor: DOKGO J; JUNG S G

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002011055	A	20020207	KR 200044444	A	20000731	200257 B

Priority Applications (No Type Date): KR 200044444 A 20000731

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
KR 2002011055	A		1	G06F-017/60			

Abstract (Basic): KR 2002011055 A

NOVELTY - An automatic **stock** transaction method is provided to **receive** real **time** **stock** informations on the internet and generate a **stock** transaction index for **determining** a **stock** transaction time.

DETAILED DESCRIPTION - The method comprises steps of driving a trading task(406), detecting if a request signal for changing interest items is transmitted from a user interface(408), changing a list of the interest items in the case that the item change request signal is transmitted(410), detecting if a request signal for changing an order/contract is transmitted(412), changing the order/contract in the case that the order change request signal is transmitted(414), detecting if a request signal for changing an index attribute is transmitted(416), changing the index attribute in the case that the index attribute change request signal is transmitted(418), detecting if

a request signal for changing a system trading is transmitted(420), and changing the system trading in the case that the system trading change request signal is transmitted(422).

pp; 1 DwgNo 1/10

Title Terms: METHOD; AUTOMATIC; STOCK

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/29 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014639659 **Image available**

WPI Acc No: 2002-460363/200249

XRPX Acc No: N02-363452

Goods inventory control system for management of goods in exhibition shelf, performs renewal of stocks stored in shelf based on received goods selling and supplementary information

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002140770	A	20020517	JP 2000337021	A	20001106	200249 B

Priority Applications (No Type Date): JP 2000337021 A 20001106

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002140770	A		9	G07G-001/12	

Abstract (Basic): JP 2002140770 A

NOVELTY - Renewal of the number of stocks stored in each exhibition shelf is performed at the time of receiving goods selling information from the POS terminal and at the **time** of receiving goods supplementary **information** . Number of **stocks** stored in the top shelf is **calculated** while receiving scrap information from the exhibition shelf.

USE - Goods inventory control system for management of goods in exhibition shelf in retail store and shop.

ADVANTAGE - Enables to perform scrap, replenishment and purchase of goods exactly and enables to perform inventory control of the goods easily. Eliminates the need for checking inventory by visual observation and realizes real time delivery of the goods.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of the goods inventory control system. (Drawing includes non-English language text).

pp; 9 DwgNo 1/22

Title Terms: GOODS; INVENTORY; CONTROL; SYSTEM; MANAGEMENT; GOODS; EXHIBIT; SHELF; PERFORMANCE; RENEW; STOCK; STORAGE; SHELF; BASED; RECEIVE; GOODS; SELL; SUPPLEMENTARY; INFORMATION

Derwent Class: T01; T05

International Patent Class (Main): G07G-001/12

International Patent Class (Additional): G06F-017/60

File Segment: EPI

14/5/30 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014591747 **Image available**

WPI Acc No: 2002-412451/200244

Real-time auction system over internet and method therefor

Patent Assignee: FRM INVESTIUM (FRMI-N)

Inventor: HONG B S; KO H J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001113986	A	20011229	KR 200033783	A	20000620	200244 B

Priority Applications (No Type Date): KR 200033783 A 20000620

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001113986	A		1 G06F-017/60	

Abstract (Basic): KR 2001113986 A

NOVELTY - An online auction system and method are provided to enhance transparency of trades and to raise percentage of trade agreements by using an online real-time automatic auction system without a broker.

DETAILED DESCRIPTION - An Internet-based realtime auction system(100) comprises an operating server(10), management server(30), and an interface(20). The operating server(10) communicates over Internet with a user's terminal connected to the Internet, stores web documents for system operation, provides interfacing between the system and the user, performs a settlement of an amount of money of a trade and an approval of a trade for off board stock trade created by the user, transceives e-mails over the Internet, stores a general information including a customer's identifier and password, and is connected to a financial network for transceiving financial information. The management server(30) performs operation according to purchase and sale requests for the off board stocks, opens a real-time auction market by the purchase and sale requests, closes the auction market or performs auction according to the price asked by participants and **time information**, provides the **estimation information** and asking price information on the off board **stocks** to the participants on a real-time basis during the course of auction, and stores information created during the operation of the system for reflecting the information in the estimation information. The Interface(20) performs data communication between the operation server and the management server.

pp; 1 DwgNo 1/10

Title Terms: REAL; TIME; AUCTION; SYSTEM; METHOD

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/31 (Item 14 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014395913 **Image available**

WPI Acc No: 2002-216616/200227

XRPX Acc No: N02-166088

Subscriber authentication method in telecommunication system, involves extracting authentication response from output of public and secret information and authenticating subscriber with authentication response

Patent Assignee: NOKIA NETWORKS OY (OYNO); NOKIA OY (OYNO); NOKIA CORP (OYNO); NYBERG K (NYBE-I)

Inventor: NYBERG K

Number of Countries: 096 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200176298	A1	20011011	WO 2001FI293	A	20010326	200227 B
AU 200150440	A	20011015	AU 200150440	A	20010326	200227
FI 200000732	A	20011001	FI 2000732	A	20000330	200227
FI 109864	B1	20021015	FI 2000732	A	20000330	200278
EP 1277368	A1	20030122	EP 2001923745	A	20010326	200308
			WO 2001FI293	A	20010326	
KR 2002093016	A	20021212	KR 2002713117	A	20020930	200328
US 20030101345	A1	20030529	WO 2001FI293	A	20010326	200337
			US 2002256256	A	20020927	
CN 1419793	A	20030521	CN 2001807255	A	20010326	200355

Priority Applications (No Type Date): FI 2000732 A 20000330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200176298 A1 E 26 H04Q-007/38

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200150440 A H04Q-007/38 Based on patent WO 200176298

FI 200000732 A H04Q-007/38

FI 109864 B1 H04Q-007/38 Previous Publ. patent FI 200000732

EP 1277368 A1 E H04Q-007/38 Based on patent WO 200176298

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

KR 2002093016 A H04Q-007/38

US 20030101345 A1 H04L-009/00 Cont of application WO 2001FI293

CN 1419793 A H04Q-007/38

Abstract (Basic): WO 200176298 A1

NOVELTY - The operator secret information is calculated from the subscriber key and operator parameter with a one-way function. An output is calculated from the public information and secret information with another one-way function. An authentication response is extracted from the output and the subscriber is authenticated with the authentication response.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Telecommunication system;
- (b) Telecommunication system authentication center;
- (c) Subscriber identity module

USE - For subscriber authentication in telecommunication system such as global system for mobile communication (GSM), personal communication system, digital cellular system, universal mobile telecommunication system.

ADVANTAGE - Enables operator-specific customization of authentication and implements **quick** and easy calculation of authentication **response** in the subscriber identity module. As **security** of the system is not based on a secret algorithm but on a secret key, the algorithm is revealed to the operators and the security of system is guaranteed.

DESCRIPTION OF DRAWING(S) - The figure shows the flow chart of authentication algorithm.

pp; 26 DwgNo 4/4

Title Terms: SUBSCRIBER; AUTHENTICITY; METHOD; TELECOMMUNICATION; SYSTEM;
EXTRACT; AUTHENTICITY; RESPOND; OUTPUT; PUBLIC; SECRET; INFORMATION;

AUTHENTICITY; SUBSCRIBER; AUTHENTICITY; RESPOND
Derwent Class: W01; W02
International Patent Class (Main): H04L-009/00 ; H04Q-007/38
File Segment: EPI

14/5/32 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014374977 **Image available**
WPI Acc No: 2002-195680/200225
XRPX Acc No: N02-148689

Filtering a permission set using permission requests associated with a code assembly for application to a run-time call stack for determining if given operations are authorized

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: FEE G D; KOHNFELDER L M; LAMACCHIA B A; TOUTONGHI M J
Number of Countries: 096 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200198876	A2	20011227	WO 2001US16057	A	20010518	200225 B
AU 200166590	A	20020102	AU 200166590	A	20010518	200230
EP 1299790	A2	20030409	EP 2001944152	A	20010518	200325
			WO 2001US16057	A	20010518	

Priority Applications (No Type Date): US 2000599015 A 20000621

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200198876 A2 E 47 G06F-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200166590 A G06F-001/00 Based on patent WO 200198876

EP 1299790 A2 E G06F-001/00 Based on patent WO 200198876

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200198876 A2

NOVELTY - A resource location (100) indicated by a uniform resource locator is accessed by a computer system (102) initiating a run-time environment to execute a downloaded application, while a verification module (112) ensures the downloaded code is properly formatted. A class loader (113) ensures the application does not replace system level components and loads the code assembly (106) onto a run-time call stack (114) in **response** to requests from the virtual machine (110). A policy manager (104) **determines** the permission grant set using a **security** policy specification (116), while permission requests (120) control filtering of the permission set to control execution of the code assembly.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a policy manager module, for a computer data signal and for a computer program on readable medium.

USE - Filtering a permission set using permission requests associated with a code assembly.

DESCRIPTION OF DRAWING(S) - The drawing depicts a security policy manager

Resource location (100)
Class loader (113)
Call stack (114)
Code assembly (106)
Virtual machine (110)
Policy manager (104)
pp; 47 DwgNo 1/8

Title Terms: FILTER; PERMIT; SET; PERMIT; REQUEST; ASSOCIATE; CODE;
ASSEMBLE; APPLY; RUN; TIME; CALL; STACK; DETERMINE; OPERATE; AUTHORISE
Derwent Class: T01
International Patent Class (Main): G06F-001/00
File Segment: EPI

14/5/33 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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014241885 **Image available**
WPI Acc No: 2002-062585/200208
XRPX Acc No: N02-046454

Latency monitor in a broker-dealer computer system for automatic processing of securities orders which sends messages and receives the market responses for evaluation

Patent Assignee: TRADESCAPE TECHNOLOGIES LLC (TRAD-N)

Inventor: BUNDY M

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200191000	A2	20011129	WO 2001US16083	A	20010517	200208 B
AU 200164671	A	20011203	AU 200164671	A	20010517	200221
EP 1282877	A1	20030212	EP 2001939117	A	20010517	200312
			WO 2001US16083	A	20010517	

Priority Applications (No Type Date): US 2000574595 A 20000519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200191000	A2	E	33	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SZ TR TZ UG ZW

AU 200164671 A G06F-017/60 Based on patent WO 200191000

EP 1282877 A1 E G06F-017/60 Based on patent WO 200191000

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200191000 A2

NOVELTY - A system is engaged in automatic processing of orders, 160, for securities including sending of messages to the **markets**, 108 and receiving their responses. The **received messages** are given a **time** and an identity, while the latency for at least one **market** is **calculated**, 124, independent of the recorded **time**, 122, when the corresponding **response** was received. The identity of the **market** is displayed, 130, together with the latency, 128, for this market, I.e. for a port identified by code.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for automated computing machinery.

USE - Monitoring latency in a broker-dealer computer system.
ADVANTAGE - Ensuring efficient forming of communications.
DESCRIPTION OF DRAWING(S) - The drawing is a data flow diagram of the invention.

pp; 33 DwgNo 1A/9

Title Terms: LATENT; MONITOR; DEAL; COMPUTER; SYSTEM; AUTOMATIC; PROCESS;
SECURE; ORDER; SEND; MESSAGE; RECEIVE; MARKET; RESPOND; EVALUATE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/34 (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014220441 **Image available**

WPI Acc No: 2002-041139/200205

XRPX Acc No: N02-030598

Cyber racing game for cyber horse race, motor race, animal race, includes runners created on real time basis for items of stock which are made to run with speed calculated using stock price information

Patent Assignee: DANAL CO LTD (DANA-N); KIM S H (KIMS-I)

Inventor: KIM M S; KIM S H

Number of Countries: 011 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200150831	A2	20010719	WO 2001KR30	A	20010110	200205 B
KR 2001068771	A	20010723	KR 2000872	A	20000110	200205
AU 200124108	A	20010724	AU 200124108	A	20010110	200205

Priority Applications (No Type Date): KR 2000872 A 20000110

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200150831	A2	E	15	A63F-013/00	
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Designated States (National): AU BR CA CN GB IN JP RU SG US

KR 2001068771	A			G06F-019/00	
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AU 200124108	A			A63F-013/00	Based on patent WO 200150831
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Abstract (Basic): WO 200150831 A2

NOVELTY - The runners are created for items of stock in a **stock** exchange as per **stock** price information and **stock** exchange volume **information received** on real **time** basis and their **speed** is **calculated** using the **received information**. The runners are made to run at **calculated** speed and their running condition is displayed.

USE - For cyber horse race, motor race, animal running race.

ADVANTAGE - Prevents the fake of the game. The stock information or foreign exchange rate information is provided with the cyber racing game that create interest to stock investors.

DESCRIPTION OF DRAWING(S) - The figure shows the operating system for cyber racing game.

pp; 15 DwgNo 2/4

Title Terms: RACE; GAME; HORSE; RACE; MOTOR; RACE; ANIMAL; RACE; RUNNER;
REAL; TIME; BASIS; ITEM; STOCK; MADE; RUN; SPEED; CALCULATE; STOCK; PRICE
; INFORMATION

Derwent Class: P36; W01; W04

International Patent Class (Main): A63F-013/00; G06F-019/00

File Segment: EPI; EngPI

14/5/35 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014185531 **Image available**
WPI Acc No: 2002-006228/200201
XRPX Acc No: N02-005318

Security index calculation system for stock market, corrects basic information generated from stored brand information, when market is closed

Patent Assignee: NIPPON KEIZAI SHINBUNSHA KK (NIKE-N); QUICK KK (QUIC-N)
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001283002	A	20011012	JP 200098052	A	20000331	200201 B

Priority Applications (No Type Date): JP 200098052 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001283002	A		6 G06F-017/60	

Abstract (Basic): JP 2001283002 A

NOVELTY - A **calculator** (1) **receives real time security price information**, when the **stock market** is opened. Index information is computed based on the received security price information and specific basic information that is generated from stored brand information. A correction unit corrects the basic information, when stock market is closed.

USE - Security index calculation system for stock market.

ADVANTAGE - Security of index information is reliably maintained, as the basic information is corrected periodically.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of security index calculation system. (Drawing includes non-English language text).

Calculator (1)

pp; 6 DwgNo 1/2

Title Terms: SECURE; INDEX; CALCULATE; SYSTEM; STOCK; MARKET; CORRECT;
BASIC; INFORMATION; GENERATE; STORAGE; BRAND; INFORMATION; MARKET; CLOSE
Derwent Class: T01; U21
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): **G06F-011/20**
File Segment: EPI

14/5/36 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014185530 **Image available**
WPI Acc No: 2002-006227/200201
XRPX Acc No: N02-005317

Information display method involves computing and displaying investment information based on real-time security information

Patent Assignee: KOKUSAI DENKI KK (KOKZ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001283000	A	20011012	JP 200091192	A	20000329	200201 B

Priority Applications (No Type Date): JP 200091192 A 20000329

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001283000 A 15 G06F-017/60

Abstract (Basic): JP 2001283000 A

NOVELTY - Real-time security information and investment implementation information are delivered by separate host devices to the transmission line of same communication circuit (2). The investment information is **calculated** according to implementation condition and is displayed based on real- **time security information**.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for information display system.

USE - For displaying investment information.

ADVANTAGE - System performance is improved as effective investment judgment information based on real-time security information is efficiently provided at a low cost.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of information display system. (Drawing includes non-English language text).

Communication circuit (2)
pp; 15 DwgNo 1/12

Title Terms: INFORMATION; DISPLAY; METHOD; COMPUTATION; DISPLAY; INVESTMENT
; INFORMATION; BASED; REAL; TIME; SECURE; INFORMATION

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): **G06F-019/00**

File Segment: EPI

14/5/37 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013871155 **Image available**

WPI Acc No: 2001-355367/200137

XRPX Acc No: N01-258223

Fungible goods trading system e.g. for stock exchange, compares real time trading prices with user indicated choices of fungible goods and amount based on which number of fungible goods is calculated

Patent Assignee: UNX INC (UNXU-N)

Inventor: ABERNETHY W R; OLMEDO O

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200133316	A2	20010510	WO 2000US41840	A	20001103	200137 B
AU 200136412	A	20010514	AU 200136412	A	20001103	200149

Priority Applications (No Type Date): US 99433659 A 19991103

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200133316 A2 E 35 G06F-000/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200136412 A G06F-000/00 Based on patent WO 200133316

Abstract (Basic): WO 200133316 A2

NOVELTY - Desired target investment dollar amount and user's

choices of fungible goods species, are **received** using **stock** symbols. The real **time** price quotation for the fungible goods, are acquired by an acquisition unit. The **computing** unit compares the input amount and acquired prices and calculates the number of chosen fungible goods species to comprise a basket, close to input target amount based on preset rules.

DETAILED DESCRIPTION - The computer unit comprises data storage unit, computing unit, data input unit, output unit and communication unit. The acquisition unit acquires the real time price quotations for fungible goods from relevant market such as stock exchanges. The input units obtain the desired target investment dollar amount and choices for purchasing fungible goods from the authenticated user. The computing unit compares the real time price with choices of fungible goods and calculates the number of fungible goods based on predefined rules so that the basket fall within the desired target investment amount. Based on the calculation, the submitting unit submits the transaction order to the relevant market which is then executed. The confirming unit confirms the transaction and is recorded in a database of storage unit. The brokerage account for the dollar amount, is debited by the debiting unit and the report of the contents of the fungible goods is generated. The users report is also provided. An **INDEPENDENT CLAIM** is also included for fungible goods trading method.

USE - For electronic trading of fungible goods such as securities, assets such as stocks, bonds, mutual funds, features, options etc.

ADVANTAGE - The individual can define, trade and manage their own individual funds according to the criteria set by the individual investor. The transaction fees is avoided as the stock is sold from one basket and shares for transactions can be moved from another basket owned by user. The system works effectively in any hardware and software platform.

DESCRIPTION OF DRAWING(S) - The figure shows the conceptual diagram of fungible goods trading system.

pp; 35 DwgNo 2/5

Title Terms: FUNGIBLE; GOODS; TRADE; SYSTEM; STOCK; EXCHANGE; COMPARE; REAL ; TIME; TRADE; PRICE; USER; INDICATE; CHOICE; FUNGIBLE; GOODS; AMOUNT; BASED; NUMBER; FUNGIBLE; GOODS; CALCULATE

Derwent Class: T01; T05

International Patent Class (Main): **G06F-000/00**

File Segment: EPI

14/5/38 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013744440 **Image available**

WPI Acc No: 2001-228669/200124

XRPX Acc No: N01-162727

Inventory control system for goods exhibition space and warehouse, has stock number detector to detect number of stocks in realtime and controller to transmit detected number of stocks as home page information

Patent Assignee: FUJI ELECTRIC CO LTD (FJIE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000281204	A	20001010	JP 9990776	A	19990331	200124 B

Priority Applications (No Type Date): JP 9990776 A 19990331

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2000281204 A 9 B65G-001/137

Abstract (Basic): JP 2000281204 A

NOVELTY - Inventory monitoring terminal (100) has stock number detector (31) for detecting the number of stocks in real time, log data memory (12) for storing detected number of **stocks** as log **information**, **estimation** unit for **estimating** the **time** at which the number of **stocks** decrease from a fixed number based on stored data and controller (11) for transmitting the detected number of stocks as homepage information.

USE - For goods exhibition space and warehouse.

ADVANTAGE - Raises goods replenishment efficiency by detecting the number of stocks even from arbitrary places via the network.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the inventory control system.

Controller (11)

Log data memory (12)

Detector (31)

Inventory monitoring terminal (100)

pp; 9 DwgNo 1/13

Title Terms: INVENTORY; CONTROL; SYSTEM; GOODS; EXHIBIT; SPACE; WAREHOUSE; STOCK; NUMBER; DETECT; DETECT; NUMBER; STOCK; CONTROL; TRANSMIT; DETECT; NUMBER; STOCK; HOME; PAGE; INFORMATION

Derwent Class: Q35; T01; T05

International Patent Class (Main): B65G-001/137

International Patent Class (Additional): G06F-019/00 ; G06T-001/00;

G07G-001/12

File Segment: EPI; EngPI

14/5/39 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013323893 **Image available**

WPI Acc No: 2000-495832/200044

XRPX Acc No: N00-368589

Stock estimation for production planning of final product in factory, involves generating stock calculation period based on lead time and products leaving time data provided by material and input order information

Patent Assignee: NEC CORP (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000194778	A	20000714	JP 98370577	A	19981225	200044 B

Priority Applications (No Type Date): JP 98370577 A 19981225

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000194778	A		24	G06F-019/00	

Abstract (Basic): JP 2000194778 A

NOVELTY - **Stock calculation** period is generated based on lead time data of each material provided by readout material **information** and product leaving **time** data provided by input order **information**. **Stock** is **calculated** based on list of materials and unit price of materials, and quantity data of final product provided in order information for each single place period in the generated stock calculation period.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for

stock estimation apparatus.

USE - For production planning of final product in factory.

ADVANTAGE - Production planning can be performed efficiently, since the drafter of production planning can estimate beforehand the stage at which stock of materials increases.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of stock estimation apparatus.

pp; 24 DwgNo 5/25

Title Terms: STOCK; ESTIMATE; PRODUCE; PLAN; FINAL; PRODUCT; FACTORY;
GENERATE; STOCK; CALCULATE; PERIOD; BASED; LEAD; TIME; PRODUCT; LEAVE;
TIME; DATA; MATERIAL; INPUT; ORDER; INFORMATION

Derwent Class: Q35; T01

International Patent Class (Main): G06F-019/00

International Patent Class (Additional): B65G-001/137

File Segment: EPI; EngPI

14/5/40 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013030269 **Image available**

WPI Acc No: 2000-202120/200018

XRPX Acc No: N00-150601

**Product transportation control system for stock production system,
compares amount of effective stock with amount of ordered stock, based on
which production indication is generated**

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000040110	A	20000208	JP 98206612	A	1998072	200018 B

Priority Applications (No Type Date): JP 98206612 A 19980722

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000040110	A	6	G06F-019/00	

Abstract (Basic): JP 2000040110 A

NOVELTY - The amount of effective stock calculated and amount of ordered stock stored in inventory reference file (22) are compared for every product number. When amount of effective stock is less than amount of ordered stock, a generator (25) produces production indication relating to amount of orders setup. DETAILED DESCRIPTION - An extraction unit (23) extract preceding order contained in production indication objective period, based on delivery time stored in master file (21). A calculator (24) computes amount of effective stock for every product number.

USE - For stock production system.

ADVANTAGE - Inventory breakage of preceding order can be prevented reliably. Even if immediate payment order and preceding order are intermingled, inventory management is performed reliably. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of production control system. (21) Master file; (22) Inventory reference file; (23) Extraction unit; (24) Calculator; (25) Generator.

Dwg.1/7

Title Terms: PRODUCT; TRANSPORT; CONTROL; SYSTEM; STOCK; PRODUCE; SYSTEM;
COMPARE; AMOUNT; EFFECT; STOCK; AMOUNT; ORDER; STOCK; BASED; PRODUCE;
INDICATE; GENERATE

Derwent Class: T01

International Patent Class (Main): G06F-019/00

File Segment: EPI

14/5/41 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012872846 **Image available**
WPI Acc No: 2000-044679/200004
XRPX Acc No: N00-034259

Product delivery time expediting system - computes amount of delay of product delivery from compartment result information and outputs as delay product information

Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11306245	A	19991105	JP 98123926	A	19980420	200004 B
JP 3114694	B2	20001204	JP 98123926	A	19980420	200065

Priority Applications (No Type Date): JP 98123926 A 19980420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11306245	A		9	G06F-017/60	
JP 3114694	B2		12	G06F-017/60	Previous Publ. patent JP 11306245

Abstract (Basic): JP 11306245 A

NOVELTY - MRP **calculator** (21) **computes** required information (31) and purchase order **information** (32). **Delivery time calculator** (22) **calculates** delivery time, present **stock** and order based on required information and purchase order information and outputs compartment result information (33). Amount of delay of product delivery is computed from compartment result information and output as product information (34). DETAILED DESCRIPTION - INDEPENDENT CLAIMs are also included for the following: expediting procedure; recording medium for storing expediting program

USE - For computing completion time for delivery of product.

ADVANTAGE - Since computed time for delivery is set, even when modification occurs in the manufacturer's side, the product can be delivered at correct time. The delivery can be calculated accurately.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of product delivery time expediting system. (21) MRP calculator; (22) Delivery time calculator; (31) Information; (32) Purchase order information; (33) Result information; (34) Product information.

Dwg.1/10

Title Terms: PRODUCT; DELIVER; TIME; EXPEDITE; SYSTEM; COMPUTATION; AMOUNT; DELAY; PRODUCT; DELIVER; COMPARTMENT; RESULT; INFORMATION; OUTPUT; DELAY; PRODUCT; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/42 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012857245 **Image available**
WPI Acc No: 2000-029078/200003
XRPX Acc No: N00-022102

Secret transaction system for stock market - includes processor which executes firm information determined to be in disclosure stage

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11296579	A	19991029	JP 9897461	A	19980409	200003 B

Priority Applications (No Type Date): JP 9897461 A 19980409

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11296579	A	13	G06F-017/60	

Abstract (Basic): JP 11296579 A

NOVELTY - Disclosure stage of registered firm information is **determined** based on the **security** transaction handling **time**. The firm **information determined** to be in the disclosure stage is executed by a processor which receives information through a ground circuit.

USE - For stock market.

ADVANTAGE - Enables simplification of performing characteristic of protocol and information in the internet simultaneously. DESCRIPTION OF DRAWING(S) - The figure shows the principle block diagram of security transaction system for stock market.

Dwg.1/14

Title Terms: SECRET; TRANSACTION; SYSTEM; STOCK; MARKET; PROCESSOR; EXECUTE ; FIRM; INFORMATION; DETERMINE; DISCLOSE; STAGE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G06F-013/00

File Segment: EPI

14/5/43 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012413265 **Image available**

WPI Acc No: 1999-219373/199919

XRPX Acc No: N99-162211

Process management system - has processing unit which searches, manages and informs production progress situation of each production model by machine in all processes

Patent Assignee: SHARP KK (SHAF)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11053007	A	19990226	JP 97212899	A	19970807	199919 B
JP 3420029	B2	20030623	JP 97212899	A	19970807	200341

Priority Applications (No Type Date): JP 97212899 A 19970807

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11053007	A	12	G05B-015/02	
JP 3420029	B2	12	G05B-015/02	Previous Publ. patent JP 11053007

Abstract (Basic): JP 11053007 A

NOVELTY - A processing unit searches, manages and informs the production progress situation of each production model by machine involved in all processes based on information stored in process

information data memory DETAILED DESCRIPTION - A production planning data memory stores the production planning data collected by the machine or the line production model exception. A production performance data memory collects the production performance of the product produced based on the production planning for every machine and every line at each process. A process component data memory stores correlation with a production model and a production process. A process information data memory stores correlation with a production process and a machine or a line involved in production planning or production performance process.

USE - None given.

ADVANTAGE - Production progress situation of all processes is understandable at one glance. Performs **effective** counter **measure**. Reduces **stock** taking **time** and production lead **time**. Conformity of balance between process is enhanced. management system.

Dwg.1/13

Title Terms: PROCESS; MANAGEMENT; SYSTEM; PROCESS; UNIT; SEARCH; MANAGE; INFORMATION; PRODUCE; PROGRESS; SITUATE; PRODUCE; MODEL; MACHINE; PROCESS
Derwent Class: P56; T01; T06
International Patent Class (Main): G05B-015/02
International Patent Class (Additional): B23Q-041/08; **G06F-017/60**
File Segment: EPI; EngPI

14/5/44 (Item 27 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012089332 **Image available**

WPI Acc No: 1998-506243/199843

Related WPI Acc No: 2000-637080; 2002-195148; 2002-279991; 2003-018156;
2003-039622; 2003-416619; 2003-440093

XREF Acc No: N98-394698

Electronic data processing method for open end mutual fund securitisation - involves selecting securities whose risk/return performance is above a predefined bench mark performance, and determining real time price of financial product using information on the securities

Patent Assignee: MOPEX INC (MOPE-N)

Inventor: BANDER K S; KIRON K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5806048	A	19980908	US 95542431	A	19951012	199843 B

Priority Applications (No Type Date): US 95542431 A 19951012

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5806048	A		9	G06F-017/60	

Abstract (Basic): US 5806048 A

The method involves selecting a set of portfolio of securities from several securities, risk/return performance of which, over a predetermined period of time, meets a predefined bench mark performance. The selection is made from a database of information on securities. Those securities whose asset size is above a predetermined threshold are identified, from which a subset of N-securities with risk/return performance superior to that of all identified securities, is selected.

The information on each security is acquired in an electronic data format and stored in a computer memory. The stored data are electronically processed to determine the price of the financial product in real time based on a user defined method of weighing the

select subset of N-securities. The real time price is finally output in a format readable by humans.

ADVANTAGE - Enables intra-day trading of unlimited number of mutual fund indices comprising open end funds, open end mutual funds with greater degree of liquidity and derivative securities linked to open end funds and their indices.

Dwg.1A,1B/

2

Title Terms: ELECTRONIC; DATA; PROCESS; METHOD; OPEN; END; MUTUAL; FUND; SELECT; SECURE; RISK; RETURN; PERFORMANCE; ABOVE; PREDEFINED; BENCH; MARK ; PERFORMANCE; DETERMINE; REAL; TIME; PRICE; FINANCIAL; PRODUCT; INFORMATION; SECURE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/45 (Item 28 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011159514 **Image available**

WPI Acc No: 1997-137439/199713

Automatic vending machine with communication processor used for goods disbursement - uses second processor to monitor inventory status and accordingly modify selling price of articles

Patent Assignee: NIPPON DENKI SOFTWARE KK (NIDE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9016836	A	19970117	JP 95162556	A	19950628	199713 B

Priority Applications (No Type Date): JP 95162556 A 19950628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9016836	A		5	G07F-009/00	

Abstract (Basic): JP 9016836 A

The machine (1) includes a file data part (5) into which inventory information (2) about goods is registered along with inventory store information (3) about goods in **stock**. Message communication is enable by a communication processor (6). Data **time** management of **message information** is carried out by a **time** management part (7). A number **determining** part (8) is used to **determine** quantity of goods being discharged and remaining amount of goods. The details about discharged goods is output to a display part (9).

An inventory shortage forecasting processing part (10) searches through contents of inventory information in order to forecast inventory shortage of any article. Then, in response to an inventory enquiry, a routine inventory supplement processor (11) is operated. A selling price alteration processor (12) monitors inventory status according to various selling price. Based on output of the number detecting part, the contents of inventory information file are updated by an inventory update processor (13). All these processors are operated by a control unit (14).

ADVANTAGE - Enables reordering of goods to be performed pertinently. Alters selling price appropriately. Enables various services to be offered.

Dwg.1/4

Title Terms: AUTOMATIC; VENDING; MACHINE; COMMUNICATE; PROCESSOR; GOODS;

SECOND; PROCESSOR; MONITOR; INVENTORY; STATUS; ACCORD; MODIFIED; SELL;
PRICE; ARTICLE
Derwent Class: T05
International Patent Class (Main): G07F-009/00
International Patent Class (Additional): G06F-017/60 ; G07F-005/22
File Segment: EPI

14/5/46 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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010976882 **Image available**
WPI Acc No: 1996-473831/199647
XRPX Acc No: N96-399700

Inventory planned decision support appts for deciding inventory plan of products - updates time sequential transmission of amount of stock and standard clock based on which supplement information generation unit repeats processing until required stock is manufactured

Patent Assignee: KOBE STEEL LTD (KOBM)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8241353	A	19960917	JP 9546850	A	19950307	199647 B

Priority Applications (No Type Date): JP 9546850 A 19950307

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8241353	A	11	G06F-019/00	

Abstract (Basic): JP 8241353 A

The appts operates based on the amount of initial stock of a second product, leaving time series and standard clock when inventory of second product is to be decided based on a first product. The time required for mfr is input through an input unit. The amount of second product leaving a time series is subtracted from the amount of initial stock by an inventory transition **information** generation unit which **calculates** the time sequential transition of the amount of second product. The supplement information generation unit **calculates** the specified amount of supplement demands of the second product such that the relation between the time sequential transition and the standard clock fulfills the specified conditions.

A preparation information generation unit calculates the amount of first product required for the second product mfr based on the provided supplement time. A mfr information generation unit calculates the amount of second product to be manufactured in the stipulated time output by the preparation information generation unit. A renewal unit updates the inventory transition information of the second product by filling the product manufactured during the specified time and also updating the time sequential transition of clock. The supplement information generation repeats the processing until the specified amount of products are manufactured based on time sequential transition of stock updated by the inventory transition information generation unit and the period of clock.

ADVANTAGE - Improves product preparation efficiency.

Dwg.5/16

Title Terms: INVENTORY; PLAN; DECIDE; SUPPORT; APPARATUS; DECIDE; INVENTORY ; PLAN; PRODUCT; UPDATE; TIME; SEQUENCE; TRANSMISSION; AMOUNT; STOCK; STANDARD; CLOCK; BASED; SUPPLEMENT; INFORMATION; GENERATE; UNIT; REPEAT; PROCESS; REQUIRE; STOCK; MANUFACTURE

Derwent Class: T01
International Patent Class (Main): G06F-019/00
File Segment: EPI

14/5/47 (Item 30 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009577636 **Image available**
WPI Acc No: 1993-271182/199334
XRPX Acc No: N93-208357

Technological system stock hardware calculator - has outputs of comparators gp connected to inputs of NOR-gate and inputs of corresp NOT-gates gp

Patent Assignee: BORODENKO E I (BORO-I)
Inventor: BORODENKO E I; KRAVTSOV V F; PODCHUFAROV I S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1756904	A1	19920823	SU 4832258	A	19900529	199334 B

Priority Applications (No Type Date): SU 4832258 A 19900529

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1756904	A1		6	G06F-015/46	

Abstract (Basic): SU 1756904 A

The device comprises rectangular pulse generator (1), counter (2), decoder (3), linearly changing voltage generators (4,5), commutators (8,9), groups of adders (10,11), dividers (12,13), multipliers (14), comparators (15), NOT-gates (16), switches (17), NOR-gates (18) and OR-gates (20).

With the arrival of the start signal a pulse is formed at the generator (1) output and enters the counter (2). The code combination from the counter (2) output enters the decoder (3). The potential formed at the decoder (3) output is fed to the commutators (8,9) controlling inputs. The computed availability factor magnitudes are compared with their preceding values until the computation result magnitude increase ends.

USE/ADVANTAGE - For **determining** technological system **stock** equipment optimal level. **Speed of response** is increased by reducing vol of **computing** operations. Bul.31/23.8.92

Dwg.1/3

Title Terms: TECHNOLOGY; SYSTEM; STOCK; HARDWARE; CALCULATE; OUTPUT;
COMPARATOR; GROUP; CONNECT; INPUT; NOR-GATE; INPUT; CORRESPOND; NOT-GATE;
GROUP

Derwent Class: T01
International Patent Class (Main): G06F-015/46
File Segment: EPI